

Training
TRAINING AT THE NATIONAL TRAINING CENTER

History. The regulation supersedes FORSCOM regulation 350-50-1, dated 1 May 1995.

Summary. This regulation outlines the National Training Center (NTC) training program, Opposing Force (OPFOR) augmentation, NTC Leader Training Program (LTP), and prescribes FORSCOM policies, objectives, and responsibilities for the Active Component (AC) and Reserve Component (RC) units deploying to the NTC for training.

Changes. Changes to this regulation are not official unless authenticated by the Deputy Director, Chief Information Office, FORSCOM.

Suggested improvements. The proponent of this regulation is the Deputy Chief of Staff for Operations. Users are invited to send comments and suggestions on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to Cdr

FORSCOM 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062.

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Distribution of this regulation as determined by the proponent is intended for command levels A for FORSCOM Installations and FORSCOM Units on non-FORSCOM Installations; B for CONUSA, USARC and ARNG, and Special for HQ FORSCOM.

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CHAPTER 1

General Information

1-1. Purpose

The purpose of this regulation is to assign responsibilities for National Training Center (NTC) activities, provide management controls and prescribe policies for units training at the NTC.

1-2. Required References

- a. AR 350-50, Combat Training Center Program (CTC) (Cited in paragraph 2-2a)
- b. DA Pamphlet 25-7, Joint User Handbook for Message Preparation (Cited in paragraph 3-2e)
- c. FM 14-7 Finance Operations (Cited in paragraph G-15)
- d. FM 71-3, (cited in para 1-3 a.)

1-3. General

- a. The NTC provides an extensive training system composed of a well-trained OPFOR, skilled observer controllers (OCs), large land areas, unrestricted ranges and a fully instrumented battlefield. Training at the NTC is an intensive teaching and performance experience designed to refine and standardize execution of battlefield tasks. Forces train using assets that are doctrinally present when conducting operations as part of a brigade deployed in an operational combat theater, being assigned missions as a division's secondary effort.

The training forces assets must include its normally expected corps and division support slice necessary to support the brigade operation as part of a division or corps. The CS and CSS assets provide support to the brigade according to standard command and support relationships, per FM 71-3. The training system represents a unique opportunity for combined-arms task forces and armored cavalry regiments to reinforce their mission essential task list (METL) training conducted at home station. The NTC represents the Army's investment in developing leaders who understand training in the appropriate doctrine, tactics, techniques, and procedures. Leaders learn the importance of training in individual and collective tasks, and develop training concepts and ideas that make subsequent training more effective. Units will continue to perform their principal training effort at home station.

- b. Responsibility for achieving training objectives at the NTC rests with the unit chain of command. Corps and division commanders will give personal attention to the integration of the NTC experience into overall training programs.

- c. The NTC observations provide training tools for the chain of command to refine home station individual and unit training programs. Important by-products of these observations are lessons learned which are disseminated throughout the Army.

- d. Selected FORSCOM AC heavy maneuver battalion, attack helicopter battalion, and division

cavalry squadron will have the opportunity to conduct an NTC rotation once every two years. This throughput designated by the Chief of Staff of the Army. Selected light battalions will train at NTC in conjunction with a heavy force to meet light force Combat Training Center (CTC) throughput goals, and provide additional mixed mobility and joint training.

e. National Guard units will participate in selected training events at the NTC. Training will be IAW the training strategy outlined in FORSCOM/ARNG Regulation 350-2, Reserve Component Training in America's Army. The ARNG has one NTC rotation authorized per year and are encouraged to take advantage of other rotational training events.

f. Forces Command is responsible for managing CONUS CTC schedules so that throughput is achieved. Scheduling is accomplished annually at a scheduling workshop, in the first quarter, which involves all CONUS CTCs, three corps headquarters, USASOC, NGB, USARC, and all participating MACOMs. The NTC scheduling must accommodate other training events. In order of priority they are: the JCS exercise schedule, BCTP, and USACOM Tier III exercises. (see **Appendix M**)

g. Forces Command funding necessary to cover direct cost of class IX (repair parts to include stock fund depot level reparable (SFDLRs)) for the NTC Prepositioned Fleet at the beginning of each fiscal year. Direct cost does not include, for this purpose only, class III bulk and/or class III package. For further funding, see paragraph 3-4.

1-4. Mission

The mission of NTC is to provide realistic joint and combined arms training focused on developing soldiers, leaders and units of America's Army for success on the 21st Century battlefield. Maintain a safe environment and quality of life for all soldiers and their families. The NTC is also a source of experience based information and data essential to improving the force.

1-5. Standards of Proficiency

a. Prior to arriving at the NTC units must achieve the following levels of training proficiency before deployment.

(1) Leader training.

(a) Rotational units are required to participate in the NTC Leader Training Program (LTP) approximately 120 days prior to their scheduled rotation. Program is outlined in **Appendix B**.

(b) *Deleted*

(c) Units must conduct a brigade fire coordination exercise to platoon leader level, within 6

months of deployment. *For the ARNG, within one year of the rotation.*

(2) Maintenance training. Preventive maintenance checks and services (PMCS) and effective repair parts supply in a tactical environment are key elements of pre-rotation training. Units must deploy to the NTC prepared to perform effective maintenance throughout the training period.

(3) Crew-served weapons qualifications.

Crew Served Weapons are defined to be M60 MG, 50 Cal MG and above weapons (including FA systems). Crews for tanks and Bradleys require gunner and TC/BC stabilization since last VIII qualification gunnery. All other members of the crew must be weapon system qualified by MOS and TCGST/BCGST in previous six months. Units must qualify tank crews through completion of an Intermediate Qualification Course (Table VIII) within 6 months of deployment. Bradley crews must successfully complete the Vehicle Team Qualification Course (Table VIII) within 6 months of deployment. Platoon live fire exercises also will be conducted during this period. The ARNG battalions will complete table VIII within one year prior to attendance at the NTC, IAW FORSCOM/ARNG Regulation 350-2.

(4) Attack helicopter crew training. Crews must complete qualification and gunnery within 6 months of deployment. Immediately before deployment, units must complete refresher training on all weapon systems. All aviation units will conduct mountain and desert flight technique briefings prior to deployment.

(5) *Deleted*

(6) Multiple Integrated Laser Engagement System (MILES). Units will train on the installation, operation, troubleshooting, and maintenance of MILES within 90 days of deployment.

(7) Field Sanitation. Conduct training and exercise field sanitation at all levels prior to and during NTC rotations.

(8) Combat Service Support (CSS) Training. CSS units are task organized to provide dedicated and habitual support to ROTATIONAL BRIGADE as well as area support. The CSS units and applicable elements of the brigade combat team will conduct field training at all levels within 6 months of deployment. For the ARNG, within one year of deployment.

(9) Safety. Safety and Risk Management Assessment will be integrated into all aspects of training and preparation for the NTC.

(10) Prior to deployment to the NTC, all Air Traffic Services (ATS) personnel will complete the qualification phase of the Tactical Air Traffic Controller's Qualification and Rating Program IAW

FM 1-303. A minimum of three personnel will complete phase two of the tactical Air Traffic Controller's Qualification and Rating Program. Additionally, the ATS support package will include one tactical ATCS examiner appointed by USAATCA IAW AR 95-2. The platoon providing the Air Traffic Services will complete an externally evaluated exercise within 12 months preceding the deployment to the National Training Center.

(11) Fratricide. Review video tape number 709861DA, TVT 20-988.

(12) Environmental Awareness. Environmental awareness will be integrated into all aspects of training and preparation for the NTC. All soldiers will be familiar with the environmental and archeological restrictions applicable at the NTC.

(13) Pyrotechnics and Unexploded Ordnance. Review video tape 709919 "Danger UXO" and 707508 "Pyrotechnics Beware." Also complete individual soldiers training on the Common Tasks listed below for all soldiers.

(a) Identification of UXO, STP 21-1-SMCT, task number 093-401-5000.

(b) Recognize Military Ordnance by Type, STP 21-24-SMCT, task number 093-403-5010.

(c) Take Immediate Action Based on Confirmation of an Explosive Hazard, STP 21-24, task number 093-404-5020.

(d) Report Explosive Hazard, STP 21-24-SMCT, task number 093-403-5030.

b. These requirements represent the minimum standards of proficiency that must be met prior to arriving at the NTC. Unit commanders may increase these standards if they deem it appropriate based on their evaluation of unit proficiency, risk assessment, and resources available.

Chapter 2

Responsibilities

2-1. Headquarters, FORSCOM Responsibilities

a. Command and control NTC operations.

b. Schedule units through their respective headquarters in support of throughput requirements. (see **Appendix M** for more detail)

(1) Schedule AC units through their respective corps in two-year cycles to support CSA throughput goals.

(2) Schedule RC units through their respective headquarters (AR NGB or USARC) and as directed by DA in support of training requirements. Forces Command will allocate one NTC rotation per year for NGB Separate Brigade use.

(a) Schedule Theater Opening Force Module (TOFM) rotations for RC CS/CSS units. (see **Appendix Q**)

(b) Assist in the coordination of RC maintenance units as part of the RC maintenance training program.

(3) Current rotational schedules can be obtained via internet web site (<http://www.forscom.army.mil/ctc>) or calling DSN 367-5489 or 5409.

c. When requested by corps, identify and task forces to augment training units when training units do not have required resources. Resources, where possible, must include the doctrinal slice assets normally expected for a ROTATIONAL BRIGADE deployment.

d. Authorize ammunition for AC/RC unit use at the NTC. Training units will not augment these authorizations except for items specifically identified by FORSCOM, AFOP-TSD (Training Ammunition).

e. Provide funds to NTC within overall FORSCOM funding constraints and priorities, including direct costs for the NTC Prepositioned Fleet at the beginning of each fiscal year.

f. Maintain NTC officer, warrant officer, and enlisted manning to the levels required by HQDA personnel policy and specific guidance from Commanding General (CG), FORSCOM.

g. Provide transportation and operating funds to FORSCOM training units. Funding is based on the standard troop lists in **Appendixes A, F and Q**.

h. Allocate and schedule other-than-rotational unit training (LTP; infantry and engineer OPFOR augmentation) (see **Appendix B** for LTP and **Appendix C** for OPFOR). Includes the scheduling of ARNG units for LTP and OPFOR augmentation.

i. Identify requirements for Foreign Material for Training (FMT) and coordinate the acquisitions of FMT.

j. Control and coordinate access of visitors to the NTC.

k. Provide augmentee O/Cs for requirements in excess of the approved standard troop list and as designated in **Appendixes A, F and Q**. This includes all vehicles and equipment to perform mission.

l. Cosponsor with TRADOC an annual review of the Table of Distribution Allowances (TDA) and the troop list to reconcile the two documents.

m. Approve the troop list not later than 120 days prior to the rotation and transmit an approval message to the appropriate corps and NTC.

n. Serve as the proponent for the prepositioned equipment fleet authorizations as described in para 68 of the NTC TDA.

o. Provide the ARNG Separate Brigade aligned AC Division Cdrs the unit assessment timeline and matrix to allow for assessment 2 years prior to scheduled NTC rotation followed by a review

of training 1 year prior. Coordinate the Separate Brigade assessment so the unit state Adjutant General can make a timely decision on the units participation to the rotation.

2-2. TRADOC Responsibilities

a. In accordance with AR 350-50, plan, establish, support, and maintain a realistic combat tasks, conditions, and standards environment at the NTC, to include brigade level task organized live fire and engagement simulation in accordance with established training objectives and prepared scenario events.

b. Plan, establish, support, maintain and upgrade NTC instrumentation.

c. Provide guidelines to Commander, NTC, in matters related to doctrine, realistic conditions for training, objective standards for operation and maintenance of instrumentation. Assist him in assessment of critical tasks being trained.

d. Maintain current threat doctrine for the NTC OPFOR. Identify changes in threat organization and equipment and coordinate the appropriate changes in visual-modification (VISMOD) kits for OPFOR vehicles and kill capabilities for MILES devices.

e. Develop threat-based unit training tasks, conditions, standards and evaluation criteria for use at the NTC.

f. Provide equipment for the NTC Operations Group. Provide and staff an Operations Group to a level that supports the standard troop list outlined in **Appendixes A and F**. The Operations Group will:

(1) Monitor, control, record, provide feedback, and train brigade-size organizations, focusing on the battalion task force.

(2) Provide and fund OCs to 100 percent of the authorized strength of the approved NTC Operations Group TDA.

(3) Operate and maintain the NTC instrumentation system.

(4) Provide the division tactical headquarters (notional 52d ID) for units deployed to and training at the NTC.

(5) Develop training scenarios for the training of brigade and battalion task forces based on the METL and training objectives provided by units.

(6) Maintain internal administrative support and resource management offices.

g. Based on doctrinal lessons learned, provide refinement of tasks, conditions and standards to the Army. Receive and analyze NTC data on unit performance. Maintain the NTC data base. Develop and disseminate lessons learned Army wide through electronic data transfer, e-mail, home page, diskettes and CD ROMs.

h. Cosponsor with FORSCOM an annual review of the TDA and the troop list to reconcile the two documents.

i. Provide OC augmentation to fill shortfalls in the Operations Group TDA to support standard troop list per **Appendixes A and F**. Provide a list of augmentee OCs by name NLT 30 days prior to report date to NTC Operations Group, ATTN: ATXY-P (per para 3-16).

2-3. Chief, National Guard Bureau responsibilities

a. Select ARNG engineer and infantry units to augment the OPFOR.

b. Select ARNG units to participate in NTC LTP program.

c. Select ARNG Separate Brigades to conduct rotations, one each year.

d. Select ARNG Separate Brigades for attendance at a 6 day LTP prior to attendance at a rotation.

e. National Guard Bureau will process and approve all administrative NGB units actions prior to forwarding to FORSCOM.

f. Coordinate the Separate Brigade assessment process 2 years prior to scheduled NTC rotation so the unit state Adjutant General can make a timely decision on the units participation to the rotation.

g. Schedule Theater Opening Force Module (TOFM) rotations for ARNG CS/CSS units (**see Appendix Q**). Provide transportation and operating funds to Army Guard training units. Funding is based on the standard troop list in **Appendixes A, F and Q**.

h. Select ARNG maintenance units as part of the RC maintenance training program.

2-4. U.S. Army Reserve Responsibilities

a. Commander, USARC

(1) Select USAR units to participate in NTC training. Monitor USAR participation in training at NTC.

(2) Schedule Theater Opening Force Module (TOFM) rotations for RC CS/CSS units. (**see Appendix Q**)

(3) Schedule USAR maintenance units as part of the RC maintenance training program.

(4) Schedule USAR HET units as part of the RC HET driver training program.

(5) Schedule USAR engineer units for OPFOR augmentation and BLUEFOR training as FORSCOM schedule permits.

(6) Provide OC augmentation IAW **Appendixes A and Q** as required. Provide list of OC augmentee names NLT 45 days prior to rotation to

both NTC Operation Group and FORSCOM, DCSOPS Training, CTC branch.

(7) Provide transportation and operating funds to Army Reserve training units. Funding is based on the standard troop list in **Appendix Q**.

(8) Select, schedule and fund man-days for USAR units. Deployment costs will be funded by the CTC Program.

b. CONUSA, Commanders

(1) Develop, coordinate and monitor, in coordination with USARC, all Reserve training at NTC.

(2) Assist in scheduling Theater Opening Force Module (TOFM) rotations for RC CS/CSS units. (see **Appendix Q**)

(3) Assist in scheduling USAR maintenance units as part of the RC maintenance training program.

(4) Assist in scheduling USAR HET units as part of the RC HET driver training program.

(5) Assist in scheduling USAR engineer units for OPFOR augmentation and BLUEFOR training as FORSCOM schedule permits.

(6) Provide OC augmentation IAW **Appendixes A and Q** as required. Provide list of OC augmentee names NLT 45 days prior to rotation to both NTC Operation Group and FORSCOM, DCSOPS Training, CTC branch.

2-5. Commander, NTC Responsibilities

a. Command the NTC.

b. Organize, train, and equip all assigned and attached units and individuals to perform assigned missions. Provide higher headquarters (notional 52d ID) for the training rotational units.

c. Develop training scenarios for the training brigade and battalion task forces based on wartime METL and training objectives provided by units. Establish and publish training rules of engagement (ROE).

d. Manage and operate all on-site NTC activities.

e. Provide logistical and administrative support.

f. When requested by training unit, approve, coordinate, and support pre-rotation visits on a case by case basis, to include observation of training and after actions reviews (AARs) on a non-interference basis. LTP is designed to meet this requirement. (see **Appendix B**)

g. Forecast, requisition, store, and utilize ammunition according to STRAC.

h. Provide feedback on tactical lessons learned to HQ, FORSCOM, and HQ, TRADOC, without identifying the training unit.

i. Provide aviation support for the NTC Operations Group.

j. Establish regulations/Standing Operating Procedures (SOPs) for unit training and activities at the NTC. Address safety, training procedures, logistical support procedures, available resources, environmental considerations, issue and turn in of equipment, and usage of supplies by the training unit.

k. Provide comments on ability to support or non-support of the proposed training unit troop list to Cdr, FORSCOM, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062, NLT 140 days prior to rotation start date.

l. Train and resource the OPFOR to doctrinally replicate a threat force and to rigorously oppose the training unit through a freeplay force-on-force exercise.

m. Provide message to HQ, FORSCOM and TRADOC, not later than 140 days prior to rotation requesting OC augmentees by position.

n. Ensure that only authorized units and approved exceptions to the troop list are allowed to maneuver at the NTC. If units deploy with unauthorized units or equipment, immediately inform FORSCOM, DCSOPS.

o. Conduct Media on the Battlefield training for rotational units and RC Public Affairs Detachments (PADs).

p. Provide Command and logistics aviation support to dual based brigade units. The NTC must request the additional flight hours required based on the rotational schedule, up to 192 hours per split base rotation scheduled.

q. Provide deployment instructions to the rotational brigade.

(1) The 52d Division (NTC Operations Group) will issue alert orders, deployment orders, WARNO and or FRAGOs according to rotational scenario requirements.

(2) The Theater Support Command, Commander (NTC TSC) will provide support requirements, theater logistic support SOPs, prepositioned equipment draw procedures and CAPE IRWIN battle-book.

r. Notify the rotational unit when current MIPR amounts are inadequate to cover the expected costs associated with their rotational support. Provide an estimate of the expected costs based on the rotational units spending trends and historical information.

s. Develop and maintain a rotational unit survey to acquire unit input on NTC installation support of the rotational unit. The survey will be provided to the rotational unit commanders during the commanders in-brief and turned into HQ NTC during the out brief following the rotation.

2-6. Corps Responsibilities

- a. Schedule subordinate units for NTC training in coordination with HQ, FORSCOM. The goal is for subordinate combat maneuver battalion, attack helicopter battalion, division cavalry squadron, and ACR squadron commanders to complete a CTC rotation once during a command tour. (It is a goal, not a requirement, some Cdrs/units will not attend.)
- b. Train units to the highest achievable standards of proficiency prior to rotations.
- c. Ensure units comply with the troop lists prescribed in **Appendixes A and F**.
- d. Submit a proposed unit troop list, troop list exceptions, prepositioned equipment use and transportation requirements to Cdr, FORSCOM, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062, (Combat Training Centers Branch, Training Division, Directorate of Operations) for final approval NLT 210 days prior to rotation start date. Use applicable portions of FORSCOM Form 1060-R for submission of troop list. (see **Appendix E**.)
- e. Provide OC augmentation IAW **Appendixes A, F, N, and Q**. Provide list of augmentee OCs by name NLT 120 days prior to rotation to NTC Operations Group, ATTN: ATXY-P.

2-7. Division/Separate Brigade/Armored Cavalry Regiment responsibilities

- a. The rotational brigade's division headquarters will provide a memorandum to NTC G3, Plans and Operations Division a draft troop list, draft mission request and desired training objectives at C-210 to allow creation of initial scenario models and proposals. The separate brigade (i.e., split base brigade) troop list is due to FORSCOM DCSOPS 365 days prior to rotation. This will allow NTC and NTC, Operations Group to develop the scenario for presentation to the rotational unit's Commanding General or Assistant Division Commander for review and approval during the conduct of the LTP at C-120. The CTC scheduling conference will address, identify and resource slice support (EAB) requirements the dual/split base brigades require for combat support and service support operations.
- b. Submit projected troop list and prepositioned equipment use and transportation requirements through the corps headquarters or serving MACOM to HQ, FORSCOM, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062, for approval.
- c. Conduct on-site visits to the NTC IAW **Appendix I**. Units are encouraged to maximize available time during their Leader Training Program session

- d. Manage transportation and operating funds within funding. Ensure that only authorized units or approved exceptions are deployed to the NTC.
- e. Program and budget flying hours in support of training.
- f. Coordinate air, rail, and motor transportation of equipment and personnel including organic and non-organic units.
- g. Provide, or coordinate for, weather personnel support IAW **Appendix D**.
- h. Submit unit worksheet and after-action report IAW **Appendix E**.
- i. Provide aviation support IAW **Appendix F**.
- j. Ensure subordinate units and individuals account for, care, and safeguard NTC property.
- k. Units deployed to the NTC for rotational training are required to have their Present Geographic Location Code (PREGO) in the SORTS database updated IAW FORSCOM Regulation 525-3. The correct geographic location code for the NTC is "HFXZ." Units are required to update their PREGO upon return to home station.
- l. Provide OC Augmentation as directed by FORSCOM IAW **Appendixes A, F, N, and O**.
- m. The corps/division providing the light task force for a heavy/light rotation is responsible for providing the assault helicopter company and AVIM section. The heavy force provides the command and general support helicopters.
- n. Provide funding necessary to cover all direct costs for the operation of equipment transported from home-station and all indirect costs related to rotational support. The MIPR should also include estimates for class III (bulk and package) to be consumed during the rotation. The MIPR should be established NLT 60 days in advance of the advanced party arrival date. Amend existing MIPRs within 72 hours of notification by the NTC that current MIPR amounts are inadequate to cover the expected cost.
- o. Ensure commander review and complete the NTC rotational unit survey provided by NTC during the commander's in-brief. Surveys are to be turned in prior to redeployment to HQ NTC G3, bldg 237.
- p. Units must coordinate Radio Frequency emitter usage with HQ, NTC G3, Spectrum Management Division to minimize harmful interference with DOD, State of California and other Public agencies.

CHAPTER 3

Operational Procedures

3-1. General

a. Units deploy to the NTC to train against an OPFOR in force-on-force training (FFT) using MILES and to conduct live fire training (LFT) using realistic target arrays. Training units conduct LFT within a pre-designated area where remotely controlled targets portray elements of a motorized rifle regiment (MRR) in both offensive and defensive scenarios. Feedback to the training brigade, squadron/battalion task force and supporting slice elements is in the form of detailed AARs following each mission, a comprehensive AAR following the total training period, and a take-home package designed to assist the commander in refining and improving home station training. The NTC will provide AARs to all other training units as often as resources permit but not less than twice per rotation.

b. Administrative support and logistical procedures are contained in **Appendixes G and H**, respectively.

c. Weapons and support systems without MILES capabilities (to kill or be killed) will not deploy to NTC. Forces Command will approve individual waivers on a case by case basis. Waivers should be addressed to HQ, FORSCOM, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC Fort McPherson, GA 30330-1062 for Chief of Staff FORSCOM approval.

3-2. Training Unit

a. The training commander will task organize his unit based on the standard troop list shown in **Appendixes A, F, N, and O**. The corps headquarters will review, recommend approval, and forward the proposed troop list to Cdr, FORSCOM, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062. Items requested for troop list exception approval that are disapproved at Corps or lower level will not be considered by FORSCOM and are disapproved. The proposed troop list should arrive at FORSCOM for approval NLT 210 days prior to the start of rotation (C-210). Forces Command, with input from NTC, will approve the troop list NLT C-120. The approved troop list must be rigidly adhered to because the NTC Operations Group is structured and resourced to provide training observation and feedback for units configured IAW **Appendixes A, F, N, O and Q**.

b. Units unable to meet minimum task organization requirements will request additional training resources from their parent corps. Corps unable to fill augmentation requests will send request for assistance to Cdr, FORSCOM, 1777 Hardee

Avenue, SW., ATTN: AFOP-OT (Central Tasking), Fort McPherson, GA 30330-1062, NLT C-180. Information copies will be provided to Cdr, FORSCOM, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062, and Cdr, NTC, ATTN: AFZJ-PT.

c. If the training unit's approved troop list exceeds the standard troop list (**Appendixes A, F, N, and O**), the corps must supply and fund O/C augmentees to the Operations Group. The TRADOC will fill and fund any TDA OC shortfalls. Individuals selected to serve as OC augmentees will arrive at the NTC NLT C-30 to participate in a training program (Observer Controller Academy) under the control of the Operations Group. The NTC will notify FORSCOM (AFOP-TRC) and the rotational division G3 of the FORSCOM OC augmentation requirements NLT C-140.

d. Forces Command augmentee OCs must plan and provide for their own equipment, vehicles, and vehicle maintenance. The NTC Material Management Center (NTC MMC) is the point of contact for coordinating contractual maintenance support. The TRADOC augmentee OCs will be funded by TRADOC and supported through the Operations Group. All OC augmentees will be provided billeting while at NTC, either under field conditions (while observing training) or in garrison (between rotation training). Augmentees will be funded for meals (at standard military meal rate) and incidentals while at NTC. (see para 3-16)

e. Units participating in NTC training will use procedures for voice and recorded messages IAW applicable format in DA Pam 25-7, Joint User Handbook for Message Text Formats.

f. Units will provide the information listed in the NTC Rotational Unit Worksheet to NTC G3 Plans and Operations, Room 14, Bldg 237 (Post HQ, NTC) as follows: C-180 initial draft; C-1 final draft; and the final before the first day of training (D-Day). NTC will immediately forward this information to Cdr, FORSCOM, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062. Active component units will complete and submit a rotation worksheet and after action report NLT 60 days after the main body departs (C+88). RC will provide an after action report within 90 days after the rotation.

g. To assist units in preparing for and executing NTC training, **Appendix I** contains a Unit Planning and Training Sequence, and **Appendix J** contains a point of contact (POC) list.

h. The training brigade commander will present a short (20-30 minute) overview of training status to the Commanding General, NTC. The briefing will cover their METL, significant problems

or special concerns, techniques of train-up, goals and expectations, and brigade modernization. Briefing will take place between D-7 and D-1.

i. Battalion task force commanders will brief their senior OCs on their combat power, vehicle deadline status, significant equipment shortages, tank roller/plows status, and Class V issues. Briefing will take place between D-7 and D-1.

j. The approved uniform for rotational blue force units is the standard issue Battle Dress Uniform (BDU) with appropriate field gear per unit SOP. All units participating as blue force will wear BDUs.

3-3. NTC Regulations/Standing Operating Procedures/(SOPs)

The Commander, NTC, will publish regulations and SOPs detailing NTC operations and procedures. These directives apply to all units training at the NTC to ensure safe and effective training, objective standards, realistic casualty assessments, adequate support resources, and efficient operation of the NTC and Fort Irwin. The NTC will provide the training unit copies of the above in a pre-deployment package 210 days prior to the rotation start date. This includes the Rules of Engagement (ROE). Each NTC activity which provide the rotational unit with reimbursable supplies and/or services will publish a detailed explanation of the billing methods used.

3-4. Funding

a. Forces Command allocates funds for the deployment cost of NTC rotations in accordance with the Troop List Templates at **Appendixes A and F**. The Troop List Template represents the maximum task organization authorized for a given training unit. The FORSCOM Issue Code "MAT" allocations will fund this Troop List Template within FY resource availability. Funds provided to units for rotational training represent maximum distribution of available funds. Exceeding allocations provided will require units to fund excess costs from Issue Code "MAD," Home Station Training. Forces Command does not fund exceptions or enhancements to the troop list

b. Pre-deployment, scheduled train-up events, and recovery costs are not funded through the Issue Code MAT. Units fund these costs from Issue Code MAD, Home Station Training.

c. Required Rotational Unit Actions

(1) A portion of the rotational units training cost is the operating and administrative costs incurred while at the NTC. Training units will establish a MIPR (Military Interdepartmental Purchase Request), DD Form 448, Military Interdepartmental Purchase Request (MIPR) with the NTC to cover operating costs NLT 60 days in advance of training. Training

units will not charge other categories of cost to this MIPR without prior approval of their commander.

(2) Rotational units provide funding necessary to cover direct costs for the operation of equipment transported from home-station and all indirect costs related to rotational support. Direct costs for home-station equipment will be determined by using the "Proration Process." These funds are provided in the form of a DD Form 448 30 days in advance of the rotational units advance party arrival date. The only exception is the funding for GSA (Class II). The Class II funding MIPR is provided 90 days in advance to allow the NTC time to have supplies available. The balance of the rotational MIPR is due at NTC NLT 60 days in advance. Each rotation will provide a consolidated GSA requirements listing and unit DODAAC with the 90 day MIPR. The unit DOCAAC will be used to order supplies less class IX. All requisitions using this DODAAC will be coded as FILL or KILL. These costs will charge the reimbursable APC at the time the requirement is established. The rotational unit will only be charged for the push-package consumed from the Divisional Support Activity (DSA). Rotational units must amend existing MIPRs within 72 hours of notification by the NTC that current MIPR amounts are inadequate to cover the expected cost. The NTC assessment of expected costs will be based on rotational units spending trends and historical information.

d. The Fort Irwin DRM will charge the rotational unit for each service rendered, or supply items issued as listed in this regulation. Due to the nature of training exercise, unforeseen situations are anticipated. Therefore the listing is not intended to be all-inclusive but rather to identify the "typical" expenses for each rotation. The NTC is authorized to include expenses not specifically identified in this regulation. Initial estimates of reimbursable cost will be furnished by FORSCOM with the proposed troop list for approval. Support will not commence without issuance and acceptance of MIPR based upon the provided cost estimate. Copies of troop list approval and estimate for reimbursable order will be provided to both the rotational unit and the NTC.

(1) Upon issuance and acceptance of the MIPR, the rotational unit will record a direct obligation and the NTC will record a reimbursable order in STANFINS, creating additional available funds. If during a rotation it is determined additional funds are required, NTC will notify the rotational unit. The MIPR will be adjusted to preclude NTC direct funds being used to support rotational expenses.

(2) Rotational units have been encouraged to work closely with the NTC financial personnel to monitor the rotational unit's financial posture during

the rotation. Each rotational unit company commander using an NTC provided DODAAC will perform a face-to-face reconciliation with the NTC SARSS-O operational team as part of the PLL/ASL regeneration process. Each rotational unit PLL/Supply Sergeant using an NTC provided DODAAC will safeguard and make available during the reconciliation process all ULLS/SAMS/SARSS-O generated supply transaction ledgers. These ledgers will be manually compared to various finance ledgers, and all differences will be reconciled by the rotational unit commander before the rotational unit can be cleared. The NTC will use SARSS-O and other local programs to track the rotational unit's costs. The reimbursable obligations in NTC's STANFINS will be used for the final bill.

(3) The final billing deadline, to include divisional payment on NTC reimbursement of MIPR value exceeded expenses, is 30 days after the rotation brigade is cleared by the Theater Support Command and HQ NTC G3.

e. Items that will be charged to the rotational unit for services rendered include the following (this list is not intended to be all-inclusive nor unreasonably place restrictions on either the rotational unit or NTC to recover reasonable support cost):

(1) Lease/maintenance equipment costs. Commercial equipment contracted by Director of Contracting (DOC) Fort Irwin (i.e. copiers, latrines, light sets, generators, rental cars, etc.).

(2) Railhead operations above normal NTC operating cost.

(3) The lease costs for GSA vehicles issued to the training units.

(4) Government impact overtime hours (GIOT). All GIOT overtime must be approved in writing by the appropriate rotational unit representative.

(5) Overtime GS/WG hours (OT) above normal rotational support. All GS/WG overtime must be approved in writing by the appropriate rotational unit representative.

(6) Actual cost of handling and disposal of hazardous waste such as disposal of oil, grease contaminated soil and other items to include contract service charges.

(7) Loss or damage to NTC equipment, property, parts, or supplies, exceeding fair wear and tear, through fault or neglect may be billed to the rotating unit. The amount charged will be obtained from the report of survey, statement of charges, missing parts list, inventory adjustment report, or other initiated relief document IAW 735-5 and AR 710-2. The extent that OMA funds are appropriate to be charged and that repairs or replacement are

actually completed. Determination of pecuniary liability is not necessary when obtaining the amount to be charged.

(8) Damage to NTC and Marine Corps Logistics Base (MCLB) real property to include: building, roads, fences and any other items that are attributed to a rotation. (An adjustment document such as the Report of Survey or Statement of Charges will be the initiating document for billing the rotation.)

(9) Loss or damage to archeological protective barriers and/or the actual site, where such loss or damage is attributable to the rotating unit.

(10) Aviation maintenance support. Support is only permitted on an emergency basis upon the rotational unit's request. Parts and labor cost will be charged to the rotational unit.

(11) The NTC Central Issue Facility (CIF): Replacement or repair cost of items received by rotational unit will be charged to the rotational unit.

(12) Supplies issued/purchased as requested by the rotational unit.

(a) Class I. Ice ordered and received.

(b) Class II. General supplies are issued by GSA. Turn-in of unused material will be authorized but no credit will be granted. Units may transfer stocks to follow-on rotations or take items received back to home station.

(c) Class III.

1 Bulk and packaged petroleum oil and lubricants (POL) ordered by the rotating unit. No turn-in credit will be given. However, when cancellation is verified, credit may be provided.

2 Industrial gases ordered by the rotating unit. No turn-in credit will be given. However, when cancellation is verified, credit may be provided.

(d) Class IV. Barrier/construction materials only if issued materials are not turned in.

(e) Class V. Training mines and or other associated items. If lost or damaged costs to modify the material will be charged and billed to the rotational unit.

(f) Class VIII. Medical materials.

(g) Class IX. Addressed separately below.

(h) Cost of postal services/Federal Express mail. Direct fund cite will be provided by rotational unit to NTC DRM ATTN: AFZJ-RMB, PO Box 105056, Fort Irwin, CA 92310, DSN 470-3298.

(i) Telephone equipment and services, leasing of communications equipment and services, automation services for user owned and operated equipment, and mass reproduction.

(j) China Lake Naval Weapons Test Center (CLNWTCT). Deep strike billing.

(k) Travel Costs/Commercial buses and baggage transported. Contracted for the rotational

unit, excluding OPFOR units. Rotational unit may provide direct fund cite NTC DRM ATTN: AFZJ-RMB, Fort Irwin, CA 92310, DSN 470-3298.

(1) Class II, Push Package. Rotational unit will route push package requirements to their Comptroller first for funding approval. The request should be submitted by C-30, N-MMC, ATTN: AFZJ-MCS, Fort Irwin, CA 92310-5031, DSN 470-3800/4100. A copy of the push package requirements will be provided to DRM, ATTN: Program and Budget, by the Fort Irwin N-MMC, to ensure funds are available prior to ordering the items.

f. Class IX

(1) All funding for depot-level repairables (DLR) and Class IX repair parts for the prepositioned fleet is provided to the NTC. Costs for repair of the prepositioned fleet will be borne by the NTC. Missing or damaged component parts of a major item will be charged as a separate item. The AMDF cost of a major item is automatically charged to the rotational unit by using pro-rata share methodology per this regulation. Examples of component parts are: Starter, alternator compressor, voltage regulator, etc. Responsibility for repair and resourcing of home station equipment will remain with the rotating unit as outlined below.

(2) Bills for Class IX repair parts (to include DLRs) will be prorated based upon density of equipment brought from home station. The NTC will determine cost as follows: For Class IX/DLR parts peculiar to a specific end item, NTC will determine cost based on percentage of those specific end items brought from home station versus total density of equipment on NTC battlefield. For Class IX common items with multiple applications when end item application cannot be determined, NTC will determine rotational cost based on percentage of total density of end items brought from home station.

(3) PLL: Rotational units will be charged the current AMDF price for assets issued from the Prescribed Load List (PLL) when assets turned-in at the end of the training cycle are less than the amount issued. This cost will be determined by manual comparison of assets issued with assets turned-in by National Stock Number using the SARSS IAR and Rotational Branch financial reports. All attempts to reconcile substitute national stock numbers will be made by rotational unit personnel.

(4) The pro-rata methodology is:

(a) The NTC and rotational unit personnel will compare the number of systems brought from home station to the number used in the rotation to establish the percentage for billing.

For example:

<u>EQUIPMENT</u>	<u>UNIT</u>	<u>NTC</u>	<u>TOTAL</u>	<u>PERCENT</u>
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HMMWV	250	+	300	=	550	(250/550) x 100 = 45.45 %
5 T	3	+	54	=	57	(3/57) x 100 = 5.26 %
TOTAL	253		354		607	(253/607) x 100 = 41.68%

(b) The NTC will then bill the unit using these percentages. For example:

TRUCK COSTS:

HMMWV PARTS		\$ 500 K	x	45.45%	=	227.25 K
5 T PARTS	\$ 125 K	x	5.26%	=	6.58 K	
GENERAL TRUCK PARTS		\$ 80 K	x	41.68%	=	33.34 K

TOTAL TRUCK PARTS COSTS \$267.17 K

(c) **Deleted.**

(d) The FORSCOM credit rate for rotational units will be based on the average actual wholesale credit reimbursed to the NTC Army Working Capital Fund (Retail Stock This rate will be applied to the dollar value of all non-excess turn-ins made by the rotational unit. Example: Unit turn-ins equal \$100.00. The pro rata is 50%. The NTC MMC average credit percentage (DLR and Non-DLRs) is 30%. Total credit is \$15.00 (\$100.00 x 50% x 30% = \$15.00).

(e) The NTC will provide rotating units weekly financial status report for on-going reconciliation during the training period. Rotating units are strongly encouraged to have their resource and materiel manager remain at NTC after completion of the training cycle to resolve billing issues during FFT and LFT.

(f) Rotational units are to use the prepositioned fleet. Exceptions to using the fleet should be limited to MTOE unique items or preloaded maintenance shelters that are too impractical to draw. Exceptions will be coordinated with the NTC and the cost borne by rotating units. No increase in resources or rail cars will be made available to support exceptions.

(g) Rotational units should bring DLRs only after coordination with NTC to ensure that needed items are not available. The NTC is authorized to observe off-load operations with the intention of identifying uncoordinated exceptions to this regulation. The NTC is also empowered to impound unauthorized equipment in a jointly secured area until their disposition or use is resolved.

(h) Units will not ship non-mission capable vehicles or major assemblies to the NTC. Rotational unit will be billed 100% for all repair parts necessary to repair NMC vehicles arriving at the NTC.

(5) Rotational units will be billed for items issued from the ASL through the rotational billing process. Additional costs will be determined by manual computation using the SARSS Inventory Adjustment Report, due-in from referral report, and other supply and financial STAMIS generated reports.

3-5. Prepositioned Equipment and Rail Cars

a. Instrumented tracked vehicles and a growing list of other items of equipment are prepositioned at the NTC. The prepositioned fleet is comprised of two fleets configured as a Bde set, IAW the troop list at **Appendix A**, additionally, there is a 10 percent float. Prepositioning the fleets will ensure equipment issued to a training unit is operationally ready by enabling one fleet to be issued and the other to be maintained, alternately, during each rotation. The intent of pre-positioning is reduction of rotational unit transportation costs and preservation of readiness of home station equipment. The fleet is designed as a training set of equipment. It is maintained at a fully mission capable status rather than 10/20. **Appendix K** contains lists of the prepositioned vehicles and equipment.

b. Unit commanders will draw all available equipment from the prepositioned fleet and transport only those MTOE items of equipment from home station that are not available at the NTC. Units requesting troop list exceptions, that require additional vehicles or equipment, will not include these figures in their transportation allocation. All approved troop list exceptions, including transportation requirements, are paid for by the unit requesting the exception (see **Appendix A**). The NTC will provide the training unit a projected vehicle availability list 120 to 180 days before scheduled training and a final vehicle availability list 60 days before scheduled training. The training unit will provide the Cdr, NTC MMC, ATTN: AFZJ-MC, an equipment assignment listing NLT C-54. Until all authorized prepositioned equipment is on hand, HQ FORSCOM (AFOP-PO), will notify units of the number of rotational rail cars authorized and rail funding data at least 90 days prior to the rotation start date.

c. A logistics team is authorized to report 3-5 days early to initiate the issue of the training unit's equipment. The direct support (DS) maintenance company will draw Authorized Stockage List (ASL) parts from prepositioned stocks. Company-size training units will draw Prescribed Load List (PLL) parts from designated prepositioned stocks; shop stocks will be brought from home station.

d. Vehicles provided by the NTC come equipped with the following items:

- (1) Basic Issue Items (BII).
- (2) Components of End Items (COEI).
- (3) Additional Authorization List (AAL) (selected items only).
- (4) Radio sets (if available).
- (5) Machine guns (including tripod mounts for the M2 .50 caliber machine gun).

(6) The TOW weapon system with night sights.

e. The rotational Bde Cdr has authority to allocate prepositioned equipment. Authority allows the Bde to meet desired training objectives.

f. Railcar Authorizations. The FORSCOM units will meet budget resourcing for railcars per standard rotation. A standard Brigade rotation will be funded for 100 (89 ft length equal) railcars. Units desiring the use of overland line hauls to transport vehicles and or equipment will include these figures in the total authorized transportation allocation. Units requiring more rail cars based on MTOE conflicts with the NTC prepo fleet should submit the increase for approval with justification, as part of the brigade troop list approval process.

(1) Railcar authorizations may be adjusted based upon prepositioned fleet modernization issues. Funds allocated for railcar authorizations represent maximum funding available.

(2) Units that request more railcars based upon MTOE conflicts with the NTC prepositioned fleet must be prepared to pay for additional railcars from other training funds allocated to the rotational unit.

(3) Rotational railcar allocation s are as follows: (per the official FORSCOM rotational schedule, add each listing below together for a total authorized number of railcars.)

Unit	Number of 89ft length Railcars
(1) Heavy Bde	100
(2) Light Infantry Bn	45
(3) Aviation Attack Bn	25
(4) Aviation Assault Lift Co	10
(5) General Spt Aviation	10
(6) Division Cavalry Sqdn	120
(7) Armored Cavalry Regiment	220
(8) OPFOR Augmentation	
- Infantry Co	None
- Engineer Co	15
(9) Theater Opening Force	
Module (TOFM)	115

3-6. Training

a. Scenarios for both live fire training (LFT) and force-on-force training (FFT) train the task force while operating as part of a brigade-size unit assigned a mission in a division's secondary effort. Combat units, to include attack helicopters and combat support weapon systems, participate in both LFT and FFT. The brigade headquarters participates, attached to 52d ID, as the Brigade level tactical control headquarters.

b. Training units will exercise the entire spectrum of combined arms team during NTC rotations in a mid-to-high-intensity environment,

often involving mixed mobility (heavy/light) training. Units will execute all normal administrative and logistical functions throughout the training period.

c. The NTC Operations Group will tailor training scenarios to satisfy unit training needs. Brigades/regiments will submit training objectives, unit METL, critical task lists, and proposed task organization with the troop list at C-210 days prior to the rotation to HQ FORSCOM, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062 and copy to Cdr, National Training Center, ATTN: AFZJ-PTO (for coordination), Fort Irwin CA 92310-5101.

d. The instrumentation system used at the NTC monitors and aids the NTC in controlling FFT and LFT activities. Instrumentation records vehicle and unit positions on the battlefield displaying main gun weapon firing events to include hits, kills, and near misses. In addition, instrumentation provides data processing, interactive display, voice and video editing, and training material production capabilities needed to synthesize data, reconstruct the battle, and present near-real-time AARs. The hardware used in the instrumentation is mounted on NTC prepositioned equipment and equipment brought from home station.

e. The NTC will provide BSA live fire scenarios for CONUS unit training. The BSA live fire request needs to be part of the units initial mission request. The difficulty of the scenario requested depends upon home station training and the current level of proficiency of BSA personnel.

f. For selected rotation, RC units will conduct TOFM missions under the command and control of an Area or Corps Support Group (ASG or CSG). The concept of support to be provided will be defined by the Theater Support Command, Commander (NTC TSC) and the ASG/CSG as outlined in **Appendix Q**.

g. The detailed development of rotational training objectives by the brigade and division is critical to NTC scenario development. The scenario is built around desired training objectives and briefed C-120 to the division commander for his approval. For the justification of expended resources that support a rotation the desired training objectives must be included in the C-210 troop list and mission statement memorandum addressed to Commander Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062 through the higher headquarters corps or MACOM. Copy furnish HQ NTC G3. **See Appendix J** for address.

h. Dual Based Brigade Support. When a dual based brigade is scheduled for an NTC rotation the below assigned corps will provide support. A dual based brigade is defined as a brigade that does not

have its division headquarters stationed in CONUS. Support includes the divisional slice the brigade would expect to deploy with and all requirements as defined in **Appendix A** of this regulation. For the purpose of this support requirement the units that require support and their supporting corps are:

<u>Unit</u>	<u>Supporting Corps</u>
6th Bde, Alaska	III Corps
3d Bde, 1st AD	III Corps
1st Bde, 1st ID	III Corps
3d Bde, 2d ID	XVIII Airborne Corps

3-7. Focused Rotations

The Center for Army Lessons Learned (CALL) in coordination with CTD Directorate (Collective Training Directorate), DCST, TRADOC, with approval from Cdr, Operations Group, sponsors focused rotations each year. The purpose of focused rotations is for TRADOC schools/centers to gain information on areas of interest concerning existing doctrine, tactics, techniques, and procedures (TTP), as well as weapons systems and equipment. Agencies will conduct focused rotations on a non-interference basis. The Cdr, NTC, will approve the yearly focused rotation schedule and forward appropriate information to Cdr, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062. The TRADOC School conducting the focused rotation will send a memorandum to COG, NTC NLT 120 days prior to conduct of rotation for final coordination. The Cdr, NTC has approval and disapproval authority at the 120 day coordination window.

3-8. Mixed Mobility Rotations

a. Forces Command, in coordination with the corps, will schedule light infantry units to train at the NTC concurrently with heavy units. This training is desirable from the standpoint of doctrinal and organizational evaluation and enhances the interoperability of FORSCOM units. Units will perform missions under the control of the Cdr, NTC (Headquarters, 52nd ID). Training scenarios support unit training objectives, both heavy and light unit employment must be in accordance with organizational design and operational doctrine. The training emphasis for mixed mobility rotations is on interoperability and synchronization.

b. Troop list approval procedures for mixed mobility rotations are the same as for the heavy force, except the light, airborne, air assault task force troop list must be approved by the respective corps headquarters prior to submission to the rotation training brigade headquarters. The executive agent

for these mixed mobility rotations or heavy/light (HL), is the heavy brigade commander.

c. Fort Riley dual base brigades will not have a light force scheduled as part of their rotation. Exception to this policy will be approved by HQ FORSCOM, (ATTN: AFOP-TRC).

d. The corps/division providing the light task force for a heavy/light rotation is responsible for providing the assault helicopter company and AVIM section. The heavy force provides the command and general support helicopters.

3-9. Visits

a. As a cost avoidance measure, units should maximize use of the video teleconference (VTC) network to conduct administrative actions and coordination in lieu of TDY visits.

b. Orientation visits

(1) Commander, FORSCOM, is the sole authority for approval of all requests to visit the NTC.

(2) Requests to visit NTC will be submitted to Commander, Forces Command 1777 Hardee Avenue, SW., ATTN: AFOP-OT, (Info: AFOP-TRC), Fort McPherson, GA 30330-1062 a minimum of 60 days prior to desired visit date(s). Approval/disapproval will be furnished to the requester not earlier than 30 days prior to desired training rotation date. Requests received with less than 60 days notification compete with other requirements, and normally will not be approved except with compelling justification.

(3) Visitors to NTC will be grouped into one of the five priority categories:

(a) **Category 1.** Personnel participating in FORSCOM approved training programs, Leader Training Program, Observer Controller Academy, TRADOC subject matter experts coordinating with the NTC Operations Group, rotational unit chain of command, and HQDA, FORSCOM, TRADOC, NGB and USARC staff officers with direct job involvement with NTC. These visitors will be handled by the NTC unit working the subject.

(b) **Category 2.** Distinguished U.S. military and civilian leaders who allocate resources and determine policy for the Army, senior members of the executive branch, Congressional members and their staff, senior military and civilian leaders.

(c) **Category 3.** Specially invited distinguished U.S. and foreign visitors. Foreign visitors should coordinate with DAMI-CIT or DAMI-FLT. Request should be submitted 90 days in advance.

(d) **Category 4.** National news media.

(e) **Category 5.** All others to include self-invited foreign nationals, civic groups, local news media, and U.S. military/civilian personnel not associated with training being conducted.

(4) Requests to visit NTC must include the following information:

(a) Name and job description of senior visitor and other members in the visiting party.

(b) Purpose for the visit.

(c) Primary and alternate visit dates.

(d) Type of training activity to be visited.

(e) Type of support desired.

(f) Type of briefings desired.

(g) Specific persons to be contacted.

(h) POC for additional information.

(5) The primary mission of the NTC is training for our combat units. In order to prevent disruption of scheduled training, visiting groups will be limited to no more than seven personnel, and no more than two groups of seven visiting NTC at one time. Total visit should not exceed 24 hours. Additionally, purpose of visit should be of benefit to the Army and/or operations at the NTC.

(6) It must be noted that protocol and support facilities at NTC are limited, and are normally for the benefit of rotational training units.

(7) Commander, NTC will ensure that only FORSCOM approved visits are supported. Requesters who directly contact NTC will be referred to Headquarters, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-OCT, Fort McPherson, GA 30330-1062. Action will not be taken on visit requests without FORSCOM approval.

(8) Requests for visits by foreign nationals must comply with the provisions of Army Regulation 380-10, and procedures outlined in this regulation. Sponsors of foreign visitors must ensure that visit requests are submitted a minimum of 60 days in advance of the desired visit date. Foreign visit requests must be approved through FORSCOM DCSINT, Security Division, AFIN-SD, DSN 367-5482.

(9) Commanders of rotational units at NTC who desire to invite other than unit personnel to observe the training must receive the concurrence of the NTC commander, and be prepared to support visitors with organic resources.

(10) Additional information concerning procedures to obtain approval to visit NTC can be obtained by contacting FORSCOM DCSOPS Central Tasking Division, AFOP-OCT, DSN 367-5813/5019.

c. Proponent representatives of the TRADOC schools and centers coordinate visits as part of the Combat Training Center Review Program with CTC Directorate, DCST, TRADOC. The proponent representative equipment list is at **Appendix M**.

d. Training unit visitors, military, media, and civilian personnel desiring to visit the training unit will coordinate with the training unit headquarters. The training unit is responsible for providing trans-

portation, billeting, mess, escorts and field equipment for unit visitors. Unit visitors must wear BDUs, Kevlar Helmet, LBE and MILES, as well as equipment in **Appendix L** while visiting any unit.

e. Military units or personnel desiring a visit to 11th ACR (the OPFOR) will do so under category 5. Requests will be forwarded to FORSCOM Central Taskings for approval. Approved visitors will provide uniform sizes and hat sizes due to the training requirement for all OPFOR to be in Opposing Forces uniforms. The U.S. Military visitors may be required to provide all needed field equipment (i.e. sleeping gear and weather protection). Direct contact with NTC or 11th ACR is not authorized until visit is approved.

3-10. OPFOR Augmentation

To provide a balanced battlefield and increase realism, FORSCOM augments the NTC OPFOR with three dismounted infantry companies and a heavy engineer company. Training opportunities are offered to all non-rotational units. Rotational units have the primary responsibility, but opportunities are available to non-rotational AC forces, ARNG, USAR, and other services meeting criteria. The OPFOR augmentation procedures are addressed in **Appendix C**.

3-11. Leader Training Program

To maximize training opportunities NTC conducts the LTP, which is a command and staff training program designed to prepare the unit for the rotation. Specifics on the operations of the LTP are in **Appendix B**.

3-12. Division Tactical Operations Center (DTOC) Augmentation

To enhance the capabilities of the notional Division Tactical Operations Center (DTOC) (52d ID) to replicate the support provided by a division, and to provide a unique professional development opportunity, the NTC conducts the DTOC augmentation program. The DTOC augmentees are essential to the conduct of full Brigade operations throughout the rotation. Specifics on the program are in **Appendix N**.

3-13. Live Fire Augmentation Requirements

Units must provide augmentation for the Live Fire 3rd Brigade TOC, which includes a Fire Support Element, and Aviation Liaison. Additionally, training units must provide wheeled medical support above and beyond those accompanying player units. Specific requirements are outlined in **Appendix O**.

3-14. Testing

Testing of new concepts, doctrine, equipment or systems will generally not be permitted at the NTC. The FORSCOM Commander will approve/disapprove all requests for testing. Approved testing will in no way impede or inhibit training. As much advanced notice as possible, is necessary to adequately staff and coordinate requests for assistance. Upon FORSCOM approval, all radio Frequency emitters new to the NTC require spectrum testing and certification by NTC G3, Spectrum Management Division.

3-15. Observer Controller Academy (OCA)

The OCA is a 13-22 day program which provides classroom and field training to NTC Observer Controllers (OCs), augmentee OCs, and OC/T (Active Component support to Reserve Component units) soldiers, to certify them as OCs. Priority of training is to NTC Operations Group personnel, designated OC augmentees and OC/T personnel. NTC Operations Group and augmentees receive five days of classroom training and two weeks of field training, OC/T personnel receive five days of classroom training and one week of field training. Class size is 35 soldiers. The OC certification consists of four phases: Phase I - Home Station Training, Phase II - Classroom instruction at the OCA, Phase III - Field Training coordinated by the OCA, and Phase IV - Sustainment Training at Home Station. Units are responsible for confirming and sending an attendance roster to the OCA NLT 60 days prior to the class date. The OCA point of contact is Commandant, OCA, DSN 470-6183 or FAX 470-6184.

3-16. Foreign Unit Training

a. Foreign units can be no larger than company size. The preference is platoon size and attached to a U.S. Forces Company. The preference is non-mechanized, combat arms units only.

b. These units, as OPFOR or BLUFOR must come with a parent U.S. Forces unit who is responsible for unit actions. The foreign unit must be provided enough time to train with the U.S. Force unit at home station and be integrated into the unit prior to the rotation in which they will participate. NTC has no capability to support single foreign units.

c. Foreign SOF units must come as part of a U.S. Forces unit and be integrated into a scheduled SOF NTC rotation. Same rationale applies here as for OPFOR or BLUFOR foreign units.

d. The NTC has no ability to provide foreign ammunition or training aids. Foreign units training with U.S. Forces must use U.S. weapons and be equipped with MILES.

3-17. Ammunition Class V

a. Forces Command allocates to NTC the STRAC authorized ammunition based on the types of rotations scheduled in each given fiscal year. If a rotational blue force unit desires to bring a non-templated/troop listed unit, then the unit is responsible for all ammunition requirements, both force on force and live fire. If a unit desires to fire more than the authorized amounts allocated within

STRAC, the unit is responsible for providing the difference.

b. The point of contact for ammunition coordination within FORSCOM is AFOP-TRS, DSN: 367-5815 or 6522.

APPENDIX A

Troop List - Template

A-1. Commanding General, FORSCOM is the final approving authority for training unit troop lists. Training unit is to submit troop list derived from the following standard troop list templates through the respective corps headquarters for endorsement. Corps endorsed troop list is due to FORSCOM HQ NLT 180 days prior to rotation inclusive start date (C-180). Forward troop lists through Deputy, Chief of Staff for Operations, ATTN: AFOP-TRC, to Commander, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFCS, Fort McPherson, GA 30330-1062. Troop lists for Dual Split Based Brigades and ARNG Separate Enhanced Brigades are due to FORSCOM at C-365.

A-2 The troop list template represents preapproved units, allowable deployed personnel numbers and total equipment authorizations. The NTC can support the template and listed unit types. The template represents what is allowed to deploy into the NTC training area. The listed authorizations are based on MTOE authorizations for an average of the unit types. Any increase in numbers deploying to NTC, either in personnel or equipment, requires approval by FORSCOM Chief of Staff. The intent of the template matrix is not to micro-manage unit MTOEs. If a unit MTOE is higher (by a few numbers) than the listed template and represents the unit authorized MTOE this may not require a troop list exception. Call your Corps training action officer or the FORSCOM action officer for guidance. Troop list approvals are part of the troop list exception process addressed in paragraph A-1. Units requesting to deploy with more than MTOE authorized personnel or equipment must have an approved exception prior to D-day of rotation or that unit and/or piece of equipment will not be allowed to exercise in the rotation.

A-3. Training units will submit proposed troop list in memorandum form, using FORSCOM Form 1060-R as a guide, and address the following:

a. Task Organization. Including light infantry, aviation, and division support units. The heavy force Bde, Div and Corps HQ has lead on developing

the task organization. The single mission and troop list document, should address all rotational bluefor units (including requested troop list exceptions) with the ground Brigade Commander as the executive agent for the rotation.

b. Personnel and equipment listings IAW Rotational Unit Worksheet (Sect II, III, IV and VI).

c. Rotational unit's mission and mission essential task list (METL).

d. Rotational unit requested tasks.

e. Training objectives.

f. Exceptions to FORSCOM 350-50-1 standard troop list with justification (unit, equipment, personnel, and reason for requesting exception).

(1) Details of why the exception is being requested and what training objective the exception meets, is required.

(2) Additional rotational funding of troop list exceptions, including transportation, instrumentation, and PERSTEMPO must be addressed, and will be considered in the approval process.

g. Training augmentation requirements.

h. Transportation requirements.

i. Force modernization impacts and training summary.

(1) As units receive new modernized equipment and assets that change how units doctrinally execute missions, the NTC must also adjust. All modernized equipment must be able to connect to the training instrumentation.

(2) The following is a listing of equipment that will require a troop list exception approval by the Chief of Staff, FORSCOM, to ensure connectivity. (EPLRS, UAVs, Intelligence systems, LSRDs)

A-4. The corps will submit proposed troop list and exceptions, to Commander, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062 for final approval. The corps will forward an information copy of the troop list to Commander, NTC, ATTN: AFZJ-PTO, NLT C- 180.

A-5. The NTC will submit supporting comments to Commander, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062, NLT C-140. During coordination with NTC, units are encouraged to discuss rotational training objectives and troop list exceptions,

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however, TC's ability to support does not constitute approval of troop lists or troop list exceptions.

subordinate units NLT C-120. Intent is to have an approved troop list prior to the bluefor unit LTP session.

A-6. Headquarters, FORSCOM, Chief of Staff, will release the approved troop list and exceptions to all

(#) IS A TOTAL OF SUB UNITS	UNITS	UNIT PERS (NOTE 39)	NTC O/C	UNIT PREPO EQP	MILES	NOTES
<u>HEAVY MODERNIZED BDE(-) ROTATION</u>						1, 2, 6, 40, 39, 56
HHC BDE (-)	1	100	Yes	Yes	Yes	
INFANTRY BN (MECH)	1	760	Yes	Yes	Yes	6
ARMOR BN	1	609	Yes	Yes	Yes	6
AVIATION TF	1					4
ARTILLERY BN	1	650	Yes	Yes	Yes	31, 16, 7, 6
ARTILLERY BN HQ (O&I)	1	60	Limited	Yes	Yes	22, 17
MET SECTION HHB	1	10	Yes	Yes	Yes	
FORWARD SUPPORT BN	1	450	Yes	Limited	Yes	6, 7, 33, 48
MSB (-)	1	(251)	Yes	Yes	Yes	33
HEADQUARTERS DET	1	43	Yes	Yes	Yes	
MED TREATMENT PLT	1	30	Yes	Yes	Yes	
MAGAZINE PLT (Corps)	1	29	Limited	No	No	
SUPPLY PLATOON	1	50	Yes	Yes	Yes	
COMPOSITE TRUCK PLT	1	69	Yes	Yes	Yes	
DMMC ELEMENT	1	18	Yes	Yes	Yes	
PSB SECTION (Corps)	1	12	Limited	No	No	
ADA BATTERY	1	(135)	Yes	Yes	Yes	59,37,2,62
BTRY HQ PLT	1	45	Yes	Yes	Yes	6, 61
AVENGER PLATOON	1	15	Yes	No	Yes	60,6
BSFV PLATOON	2	50	Yes	Yes	Yes	6
SCOUT/SENSOR (GBS)	2	12	No	Yes	Yes	60
EN BN (-)	1	(368)	Yes	Limited	Yes	6, 11
HHC	1	74	No	Limited	Yes	
CSE PLATOON (-)	1	35	Yes	Limited	Yes	36
COMBAT ENGINEER CO	2	208	Yes	Limited	Yes	8
SUPPORT PLATOON	1	58	Limited	Limited	Yes	
MI CO TM (+)	1	(89)	Limited			37,55
DS CO	1	45	Yes	No	Yes	21, 24
Bn Spt Slice	1	20	Limited	No	Yes	24
GS CO (-)	1	24	Yes	No	Yes	25, 26, 27
MP PLATOON (DS)	1	33	Yes	Yes	Yes	64,65
CHEMICAL CO (-)	1	(73)	Limited	Yes	Yes	6, 20
CHEM CO HQ (-)	1	20	Limited	Limited	Yes	
RECON SQUAD	1	8	Limited	Limited	Yes	9
DECON PLATOON (DS)	1	20	Yes	Yes	Yes	
SMOKE PLATOON	1	25	Yes	Yes	Yes	
AREA SIGNAL COMPANY	1	(208)	Limited	Limited	Limited	12,32,35, 14
DS SIGNAL CO	1	153	Limited	Limited	Yes	
MSE Node (BLUFOR)	1	25	Limited	Limited	Limited	
EPLRS	1	30	Limited	Limited	Yes	
EOD Team	1	5	No	No	Yes	41

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(#) IS A TOTAL OF SUB UNITS	UNITS	UNIT PERS (NOTE 39)	NTC O/C	UNIT PREPO EQP	MILES	NOTES
ALO	1	13	NR	No	Yes	10,23
CA/PSYOPS Team	1	5	Limited	No	Yes	50
WEATHER	1	5	NR	No	Yes	10,23
ROTATION SUPPORT						
DTOC AUGMENTATION	1	9				3, 35, 43, 59
LIVE FIRE AUGMENTATION	1	10	NR	No	No	34, 44
DIVISION SUPPORT CELL			NR	No	No	29,55, 56
ENVIRONMENTAL TEAM	1	29	NR	Limited	No	30
MSE NODE SPT CELL	1	30	NR	NA	NA	35
O/C AUGMENTATION						42
DISE (-)	1	30	NR	No	No	51,55, 58
A2C2 (ATS-)		4				4
ARMORED CAVALRY REGIMENT						
HEADQUARTERS AND HEADQUARTERS TROOP	1	220	Limited	Limited	Yes	1, 2, 6, 40, 18, 33, 39, 46b, 56
CAVALRY SQUADRON	2	1734	Limited	Limited	Yes	6, 11, 15, 17
AVIATION SQUADRON	1					4
SUPPORT SQUADRON	1	720	Yes	Limited	Yes	48,
CORPS SUPPORT BN (-)	1	(276)	Limited	Limited	Limited	7, 33
HEADQUARTERS DET	1	43	Yes	Yes	Yes	
MED TREATMENT PLT	1	30	Yes	Limited	Yes	
AMMO MAG PLT (Corps)	1	29	Limited	No	No	
SUPPLY PLATOON	1	50	Yes	Yes	Yes	
COMPOSITE TRUCK PLT	1	69	Yes	Yes	Yes	
DMMC ELEMENT	1	18	Limited	Yes	Yes	
PSB SECTION (Corps)	1	12	Limited	No	No	
Maint CO (-)	1	25				
MI COMPANY	1	167				55
EN BN (-)	1	(264)	Limited	Limited	Yes	6, 11
HHC	1	74	No	Limited	Yes	
ENGINEER CO	1	208	Yes	Yes	Yes	8
SUPPORT PLT	1	51	Yes	Yes	Yes	
CSE PLT (-)	1	35	Yes	Limited	Yes	36
Organic Eng Co	1	197	Yes	Yes	Yes	8
ADA BTRY (+)	1	(251)	Limited	Limited	Yes	37, 2, 59
BTRY HQ PLT	1	45	Yes	Yes	Yes	6, 61
AVENGER PLT	2	28	Limited	No	Yes	60, 63
BSFV PLT	2	50	Limited	Yes	Yes	6
STINGER PLT	1	26	Yes	Limited	Yes	60, 6
SCOUT / SENSOR (GBS)	2	12	No	No	Yes	60
CHEMICAL CO	1	(76)	Limited	Limited	Yes	9, 20
COMPANY HQ	1	32	Yes	Limited	Yes	
DECON PLATOON (DS)	1	20	Yes	Yes	Yes	6,
RECON PLT (DS)	1	24	Limited	Limited	Yes	6
ARTILLERY BN	1	650	Yes	Yes	Yes	31,22,16,7, 6
ARTILLERY BN HQ (-) (REINFORCING)	1	60	Limited	Yes	Yes	17

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(#) IS A TOTAL OF SUB UNITS	UNITS	UNIT PERS (NOTE 39)	NTC O/C	UNIT PREPO EQP	MILES	NOTES
MET SEC	1	10	Yes	Limited	Yes	
MP PLATOON	1	33	Yes	Yes	Yes	64, 65
AREA SIGNAL CO (+)	1	(208)	Limited	Yes	Yes	12, 14, 35,
DS SIGNAL CO	1	153	Limited	Limited	Yes	
MSE NODE	1	25	Limited	Limited	Limited	
EPLRS	1	30	Limited	Limited	Limited	14
CA / PSYOPS TEAM	1	6	No	No	Yes	50
ALO	1	13	NR	No	Yes	10,23
WEATHER	1	5	NR	No	Limited	10,23
EOD	1	5	No	No	Yes	41
HVY/LIGHT ROTATION LIGHT TF						2, 19
LIGHT INFANTRY BN	1	569	Yes	No	Yes	32
ADA PLATOON	1	25	Yes	No	Yes	57, 60
SAPPER PLATOON	1	35	Yes	No	Yes	40, 12
LT TRUCK PLT	1	39	Yes	No	Yes	
ARTILLERY BTRY (DS)	1	80	No	No	Yes	22, 12
FIST	1	34	Yes	No	Yes	
SUPPORT COMPANY TM	1	80	Yes	No	Yes	
AVIATION						4
HVY/LIGHT ROTATION AIRBORNE TF						2, 19
ABN INFANTRY BN	1	680	Yes	No	Yes	32
ABN ENGINEER PLATOON	1	35	Yes	No	Yes	40, 12, 45
ABN ADA PLATOON	1	29	Yes	No	Yes	
FWD AREA SUPPORT TM	1	80	Yes	No	Yes	
LT TRUCK PLT	1	39	Yes	No	Yes	
ARTILLERY BTRY (DS)	1	80	No	No	Yes	22, 12
FIST	1	34	Yes	No	Yes	
AVIATION						4
HVY/LIGHT ROTATION AIR ASSAULT TF						2, 19
AIR ASSAULT INF BN	1	706	Yes	No	Yes	32
SAPPER ENG PLATOON	1	35	Yes	No	Yes	12, 40
ADA PLATOON	1	39	Yes	No	Yes	
FWD AREA SUPPORT TM	1	80	Yes	No	Yes	
LT TRUCK PLT	1	39	Yes	No	Yes	
ARTILLERY BTRY (DS)	1	80	No	No	Yes	22, 12
FIST	1	34	Yes	No	Yes	
AVIATION						4

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(#) IS A TOTAL OF SUB UNITS	UNITS	UNIT PERS (NOTE 39)	NTC O/C	UNIT PREPO EQP	MILES	NOTES
LIGHT ACR ROTATION						39,2, 56
HQ & HQ TROOP	1	119	Yes	Limited	Yes	
GROUND CAVALRY SQDN	2	1424	Yes	Limited	Limited	
AIR CAVALRY SQDN	1	373	Yes	No	Limited	
HEAVY FORCE CO/TM	1	90	Yes	Yes	Yes	
SUPPORT SQDN	1	644	Yes	Limited	Yes	33, 48
MI CO	1	139	Yes	No	Yes	55
QUICKFIX	1	14	No	No	No	
ENG BN TF	1	(408)	Yes	Limited	Yes	
CHEM CO	1	70	Yes			20
ADA BTRY	1	160		No	No	37, 2, 59, 61, 60, 63,
EOD TM	1	5	No	No	Yes	41
MP PLT	1	33		Limited	Yes	64, 65
AREA SIGNAL CO	1	175			Yes	
ARTILLERY BN	1	536	Yes	No	Yes	22, 31
ARTILLERY BN (O&I)	1	50	Yes	No	No	
METEOROLOGICAL SECT	1	10	No	No	No	
TARGET ACT RADAR SEC	1		Yes	No	No	
LIGHT/HVY ROTATION AIR ASSAULT BDE / HEAVY TF						39
BDE HQ CO	1	155	Yes	Limited	Yes	39,19,2,41, 56
AIR ASSAULT IN BN	2	1306	Yes	Limited	Limited	32, 19
HEAVY BN TF	1	650	Yes	Yes	Yes	6,19
Hvy ADA Slice (Plt, BSFV)	1	25	Limited	Yes	Yes	6
Hvy Eng Slice (Co +)	1	114	Yes	Yes	Yes	6,11
Hvy FSB Slice (Co +)	1	125	Yes	Limited	Yes	
FIRE SPT ELEMENT	1	30	Yes	Yes	Yes	
ARTILLERY BN (105MM)	1	550	Yes	No	Yes	22, 31,16
ARTILLERY MET Section	1	12	Limited	Limited	Yes	
ARTILLERY BTRY (155 TOWED/SP)	1	136	Yes	No	Yes	22, 31
ARTILLERY BN (O&I)	1	60	Yes	No	Yes	31
ADA BTRY	1	(167)	Yes	Limited	Yes	62, 37, 2, 59
BTRY HQ PLT	1	45	Limited	Yes	Yes	6, 61
AVENGER PLT	2	36	Limited	Yes	Yes	60, 63
STINGER PLT	1	26	Limited	Yes	Yes	60, 6
SCOUT / SENSOR SECT	2	12	Yes	Limited	Yes	60
ENG Sapper Co (+)	1	(180)	Yes	Limited	Yes	40, 11
ENGINEER CO	1	150	Yes	Limited	Yes	
CSE PLT	1	30	Yes	Limited	Yes	
EOD TM	1	5	No	No	Yes	41
MI CO	1	(90)	Yes	Limited	Yes	55
DS MI Co	1	39	Yes	Limited	Yes	
GS Co (-) I&S PLT (-)	1	15	Yes	Limited	Yes	
GS Co (-) C&J PLT (-)	1	46	Yes	Limited	Yes	

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(#) IS A TOTAL OF SUB UNITS	UNITS	UNIT PERS (NOTE 39)	NTC O/C	UNIT PREPO EQP	MILES	NOTES
LRSB	1	(22)	No	No	Yes	52
HQ/Commo	1	10	No	No	Yes	
LRS TEAMS	2	6	No	No	Yes	
CHEMICAL CO	1	(130)	Yes	Limited	Yes	20
CO HQ (-)	1	20	Yes	Limited	Yes	
RECON SQUAD	1	8	No	Limited	Yes	
DECON PLATOON	1	25	Yes	No	Yes	53
SMOKE PLATOON	1	25	Yes	No	Yes	53
AREA SIGNAL CO (+)	1	175	Yes	Limited	Yes	14,32,35
DS SIGNAL CO	1	153	Limited	Limited	Yes	
MSE NODE	1	25	Limited	Limited	Limited	
PLRS	1	30	Limited	Limited	Limited	
MP PLT	1	35	Yes	Yes	Yes	6, 64, 65
ALO TEAM		13	No	Limited	No	23
FORWARD SUPPORT BN	1	(450)	Yes	Limited	Yes	6, 19, 48
LIGHT TRK CO	1	100	No	Limited	Yes	
MSB /CSB (-)	1	(311)	Limited	No	No	33, 19
HEADQUARTERS DET	1	43	Yes	Yes		
MED TREATMENT PLT	1	30	Yes	Limited		
CORPS AMMO MAG PLT	1	26	No	Limited	No	
COMPOSITE TRUCK PLT	1	69	Limited	Limited	Yes	
DMMC ELEMENT	1	18	Limited	No	No	
PSB SECTION (Corps)	1	12	No	No	No	
DISCOM (FWD) Element	1	10	Limited	Limited	Limited	
SUPPLY PLT	1	50	Limited	No	Limited	
CA / PSYOPS TEAM	1	6	No	No	Yes	50
PATHFINDER TEAMS	2	25	No	Limited	Limited	
Air MEDEVAC Team	1					4
AVIATION						4
DIVISION CAVALRY SQUADRON						
DIV CAVALRY SQDN	1	720	Yes	Limited	Limited	38, 57
ADA PLATOON (BSFV)	1	25	Yes	Limited	Limited	60, 63
CHEM RECON SQD (FOX)	1	8	Yes	Limited	Limited	
ENGINEER CO	1	130	Yes	Limited	Limited	
DS/GS FLE	1	60	Limited	Limited	Yes	
ALO	1	5	Limited	Limited	Yes	
FIST	1	16	Yes	Yes	Yes	
IEWSE	1	6	Limited	No	Yes	
GSR SQD	1	13	Limited	Yes	Yes	
ARNG ENHANCED SEPARATE BDE						1, 2, 6, 40, 39, 46, 56
HHC BDE (-)	1	326	Yes	Yes	Yes	
CAVALRY TROOP	1	158	Yes	No	Yes	47
INFANTRY BN (MECH)	1	757	Yes	Yes	Yes	6
ARMOR BN	1	630	Yes	Yes	Yes	6
AVIATION TF	1					4
ARTILLERY BN	1	668	Yes	Yes	Yes	31, 16, 7, 6
ARTILLERY BN HQ (O&I)	1	50	Limited	Yes	Yes	22, 17
MET SECTION HHB	1	10	Yes	Yes	Yes	

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(#) IS A TOTAL OF SUB UNITS	UNITS	UNIT PERS (NOTE 39)	NTC O/C	UNIT PREPO EQP	MILES	NOTES
FORWARD SUPPORT BN	1	707	Yes	Yes	Yes	6, 7, 33, 48
MSB (-)	1	(245)	Yes	Yes	Yes	33
HEADQUARTERS DET	1	35	Yes	Yes	Yes	
MEDICAL TREATMENT FACILITY	1	28	Yes	Yes	Yes	
MAGAZINE PLT (Corps)	1	26	Limited	No	No	
SUPPLY PLATOON	1	55	Yes	Yes	Yes	
COMPOSITE TRUCK PLATOON	1	69	Yes	Yes	Yes	
DMMC ELEMENT	1	18	Yes	Yes	Yes	
PSB SECTION	1	12	Limited	No	No	
ADA BATTERY	1	(139)	Yes	Yes	Yes	33, 6, 59, 60, 61,
BTRY HQ PLT	1	45	Yes	Yes	Yes	
STINGER PLATOON	1	28	Yes	Yes	Yes	
AVENGER PLATOON	1	15	Yes	No	Yes	
BSFV PLATOON	2	50	Yes	Yes	Yes	
SCOUT/SENSOR (GBS)	1	12	No	Yes	Yes	
EN BN (-)	1	(441)	Yes	Limited	Yes	6, 11
HHC	1	82	No	Limited	Yes	
CSE PLATOON (-)	1	29	Yes	Limited	Yes	36
COMBAT ENGINEER CO	2	208	Yes	Limited	Yes	8
MI CO TM (+)	1	(89)	Limited			37,55
DS CO	1	45	Yes	No	Yes	21, 24
BN SPT CELL	1	20	Limited	No	Yes	24
GS CO (-)	1	24	Yes	No	Yes	25, 26, 27
EOD TM	1	5	No	No	Yes	41
MP PLATOON (DS)	1	35	Yes	Yes	Yes	64, 65
CHEMICAL CO (-)	1	(77)	Limited	Yes	Yes	6, 20, 46a,
CHEM CO HQ (-)	1	20	Limited	Limited	Yes	
RECON SQUAD	1	12	Limited	Limited	Yes	9
DECON PLATOON (DS)	1	20	Yes	Yes	Yes	
SMOKE PLATOON	1	26	Yes	Yes	Yes	
AREA SIGNAL COMPANY	1	175	Limited	Limited	Limited	12, 32,35, 14
ALO	1	13	NR	No	Yes	10,23
WEATHER	1	5	NR	No	Yes	10,23
TF IN/OUT Bound Support	1	1000	NR	No	No	As Resourced by NGB Note - 46, 46c, 49

NOTE 1: The heavy brigade combat team (-), consisting of one infantry and one armor battalion task force and doctrinal attachments, is the standard at NTC. The NTC is equipped and organized to issue equipment and provide O/C coverage to this force. For example, the ROTATIONAL BRIGADE(-) is authorized 58 tanks, which NTC is equipped to issue

for each rotation. Any issue of more than 58 tanks per rotation exceeds the normal capability of the contractor operated prepositioned fleet. Organizations that are authorized more tanks (3d ACR), or have modernized with additional BFVs require special resource/support considerations. Normally, equipment not available in the preposi-

tioned fleet will be railed to NTC. As part of the Reception, Staging, Onward Movement initiative (RSOI), the desired end state of the Prepositioned Equipment Fleet is to replicate an Army War Reserve (AWR) equipment fleet. Only equipment that is designated as Not Authorized to Preposition (NAP) and To Accompany Troops (TAT) will be allowed to deploy to the NTC. Comparative rail car support will be authorized/ resourced to replicate strategic air lift.

NOTE 2: Personnel numbers are approximate and are intended as a guide for budget managers. Commanders, however, must not exceed MTOE authorizations in any category without an approved exception to the troop list templated for the rotation. This resource control measure is designed for personnel, equipment and assets that may deploy in support of the rotation. Any additional systems/units participating in the rotation will increase the O/C augmentation requirement. Units requesting troop list exceptions must use available authorized lift. No additional lift (Rail, line haul or STRAT Air) will be authorized. Units requesting additional personnel / units must also provide OC augmentation, if support is required.

NOTE 3: The DTOC augmentation is not optional IAW **Appendix N**. The training brigade headquarters will be supported with tactical reports and exercise command and control from the Operations Group DTOC (52d ID) 24 hours per day. If unit has MCS or TACLAN, two additional personnel are required. This applies to the Armored Cavalry Regiment as well.

NOTE 4: See **Appendix F**, Aviation.

NOTE 5: Rotational Bluefor Aircraft operating forward of the brigade rear boundary must be MILES equipped.

NOTE 6: Unit is provided assets within the availability of the prepositioned fleet.

NOTE 7: Palletized Load System (PLS) is authorized for deployment in support of artillery Bns and FSB.

NOTE 8: Per MTOE (maximum of 8 dozers or 14 ACEs (ERI) deployed to NTC with line companies.)

NOTE 9: One FOX vehicle on hand for Chemical Recon in the NTC Prepo Fleet. Two FOX vehicles are authorized for a Bde rotation. The second vehicle must come from homestation.

NOTE 10: NR. Observer/Controller not required.

NOTE 11: Engineer units deploying to NTC are only authorized their organic MTOE equipment.

NOTE 12: The O/C augmentees must be provided by the training unit. For the additional Artillery Battery the OC augmentation requirements are:

Btry Trainer,	CPT, 13A
Paladin Trainer, x5,	E-7, 13B
FDC Btry Trainer, x3	E-7, 13E

NOTE 13: One training unit O/C augmentee (98G) required per team. Quick Fix element is assigned to Air Cav Sqdn (ACR).

NOTE 14:

a. The MSE company is a EAB asset, and provides signal nodes for MSE. MSE SENs are allocated 2 per Bn or Sqdn. Example: A 2 Bn ROTATIONAL BRIGADE would have 7, (4 for the 2 Bns, 2 for FSB and 1 for DS FA Bn), additional 2 are added for Bn size additions to rotations (i.e., Div Cav, Heavy/Light etc.). If a unit desires to deploy the parent division DTAC and supporting SENs, all are troop list exceptions and require approval as such.

b. The EPLRS, as a operational system will be treated as a troop list exception to ensure NTC connectivity on the battlefield and in the DTOC. As a matter of operational planning, 30 system operating personnel will normally be approved. The exception is required to ensure proper spectrum management.

c. The One additional SEN is required to support rotational logistic connectivity to SARSS and the 52d Div MMC (i.e. NTC MMC).

NOTE 15: Each squadron howitzer battery requires three training unit augmentation O/Cs.

NOTE 16: The AN/TPQ-36 is authorized as part of the deploying artillery Bn. Prepositioned equipment is not available. 10 personnel authorized.

NOTE 17: Use of an MLRS Bn HQ in the O&I role is authorized. Coordination with NTC Operations Group prior to rotation is required for scenario development. This task organization will require personnel augmentation in the DTOC to generate Division support MLRS missions. If an MLRS Bn is to deploy in the O&I role, the Bde mission letter and troop list must be so marked.

NOTE 17A: MLRS OC augmentation is required:

Battery OC (Cpt)	1
BOC / LOC OC (Lt)	1
BOC OC (13P/SFC)	2

POC OC (13P/SFC/SSG) 3
Firing Plt OCs (13M/SFC) 4

NOTE 17B: The MLRS OC augmentation equipment and personnel required:

Fire Direction Computers (FDC): 2
13M FDS Operators 2
13M POC NCOs 2
Battery Cdr / Battle Captain (Cpt) 2

NOTE 18: Equipment prepositioned for Heavy Modernized Brigade will be available for ACR use.

NOTE 19: Equipment prepositioned for Heavy Modernized Brigade will not be available for Light/Airborne/Air Assault Task Forces during Heavy/Light rotations, except as directed by the Rotational Bde Cdr. Units deploying to NTC are expected to utilize the Preposition Fleet to the max extent possible.

NOTE 20: One training unit augmentation O/C for the NBC CO and one per recon team. NTC can cover one team.

NOTE 21: Unit required to provide one CW2 (352C) augmentee for Collection Management Section and All Source Production Section, as well as the Company HQ.

NOTE 22: FIST team deploys with LT/ABN/AA TF.

NOTE 23: Limited Air Force prepositioned equipment is available at NTC.

NOTE 24: The MI Company HQ includes one X Retrans, one X Vehicle Maintenance Section, one X CE Maintenance Section, and one X EW Maintenance Section.

NOTE 25: The NTC O/Cs can cover three EW systems. Any number above three EW systems requires one augmentee O/C per three additional systems. Any number of systems over 3 will require troop list exception approval to ensure OC augmentation availability.

# Systems	#O/C Augmentees
1-30	
4-61	
7-92	
10-12	3

NOTE 26: Includes one traffic and analysis team, three voice intercept teams, and one electronic counter measure team.

NOTE 27: Includes three X TRQ-32(V) or TSQ-138, three X PRD-11/12 or TRQ-30, and one X TLQ-17.

NOTE 28: The NTC O/Cs can cover two GSR teams. Any number above two GSR teams requires one augmentation O/C per GSR team.

NOTE 29: Composition of the Division Support Cell is at the discretion of the rotational unit's division headquarters.

NOTE 30: The unit Environmental Clean-Up Team (ECT) will have the capability to respond to spills, communicate with the DTOC, Range Control, Rotational EOC and the DPW Environmental Division and dispose of spills in compliance with NTC Regulation 200-3. The ECT will clean up all rotational spills, including clearing the Rotational Unit Field Maintenance Area (RUFMA) following regeneration. The ECT will be controlled by an OIC (recommended O3) and a NCOIC. The ECT personnel will be provided training by the NTC Environmental staff upon arrival at the NTC. The ECT will be split into two teams, with one team operating from the DSA and one team operating from the BSA. See below for equipment and personnel requirements:

SYSTEM	QTY	PERSONNEL
HMMWV	2	2
SEE	4	4
5T Dump Truck	10	15
Scoop Loader	2	2
5T or 10T tractor w/lowboy traile		1
GPS Unit	2	<u>0</u>
		24

NOTE 31: Field artillery units will provide flak vests and ballistic laser goggles to their personnel participating in live fire operations.

NOTE 32: Two TACSAT teams may deploy with each light battalion. Units are responsible for coordinating satellite time.

NOTE 33: The MSB's and CSB's operating in support of the rotation from a fixed DSA are limited to a commensurate amount of equipment to support size brigade combat team (ROTATIONAL

BRIGADE) for the rotation and itself based on the estimated mission requirements. Estimates should account for a fair slice that the MSB and CSB replicates the Corps transportation , class IV/V, and class VIII mission requirements. The FSB's supporting the ROTATIONAL BRIGADE are limited to a commensurate amount of equipment to support a two battalion ROTATIONAL BRIGADE based on estimated requirements. Additional FSB /MSB/CSB equipment is authorized based on units deploying above and beyond the standard rotation model, i.e., division cavalry sqdn, aviation units, light infantry battalion, forward support medevac team, etc. Any additional systems or units participating in the rotation will increase the O/C augmentation requirement and will require troop list exception approval.

NOTE 34: See para 3-14. (Funding)

NOTE 35: Communication.

a. The MSE node with 25 personnel is authorized to support NTC operations group MSE requirements pending installation/operation of permanent node.

b. If the Brigade intends to use TACSAT communications to communicate with subordinate units during the rotation, then one additional system is required in the DTOC with operators.

NOTE 36: Unit is authorized a task organized CSE platoon (-) to support tactical operations:

System QuantityPersonnel

D7 Dozer	4	4
M920 Tractor	4	4
M870 Trailer4	0	
621B Scraper	2	2
130G Grader2	2	
HMMWV 2	4	
Contact Truck	1	2
SEE 2 4		
175B Bucket Loader	1	1
20T Dump Truck	3	<u>6</u>
Total29		

NOTE 37: All imagery products and information will remain under control of NTC Operations Group. There will be no direct connectivity by any means between outside imagery processing or analysis facilities and units in the maneuver area. Connectivity will pass through the NTC Operations Center (DTOC, Building 988) to ensure maintenance of the fidelity of the tactical scenario and control of the information passed to the rotational unit. Any equipment used to transmit imagery or information to the unit in the field will be provided, maintained and

staffed by the rotational unit under control of the Operations Group DTOC. (Equipment in this category will be approved as part of the troop list exception process to ensure connectivity.)

NOTE 38: The division cavalry squadrons are resourced to rail deploy their entire MTOE plus doctrinal attachments listed. If the division cavalry squadron deploys in lieu of a redundant battalion task force, it will draw up to the normal issue grid from the prepositioned fleet and rail the difference from homestation.

NOTE 39: As a resourcing guide, numbers in personnel column reflect current MTOE or recommended/resourced ceiling for doctrinal attachments. Exact numbers may deviate per MTOE series/SRC and rotation mission tasks. Numbers inside parentheses indicate inclusive total of subordinate units.

NOTE 40: Light Infantry Force Engineer VOLCANO system (5 ton truck mounted system) is authorized. However, if the unit desires to employ air delivered volcano, a troop list exception is required.

NOTE 41: The Bde and Regt Commander is authorized and recommended, to add 3-5 personnel as an EOD DS team. The 52d EOD Group is responsible to work coordination and OC augmentation requirements.

NOTE 42: Augmentation personnel is determined by the troop list and troop list exceptions that are approved by FORSCOM Chief of Staff and TRADOC Operations Group personnel fill shortages.

NOTE 43. See Appendix N.

NOTE 44. See Appendix O.

NOTE 45. Personnel numbers include maintenance support. Twenty-nine for platoon MTOE and 13 for support slice.

NOTE 46. The NGB has approval authority for this troop list, after coordination with Commander Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062. This listing includes both Separate Armor and or Infantry Brigades assigned to the National Guard.

NOTE 46a: A MTOE Separate Brigade Chemical unit is only platoon size. A full Chemical company is authorized.

NOTE 46b: The Armored Cavalry Regiment template listed supports the 278th ACR, TNARNG.

NOTE 46c: Supported by the NGB and requires support on both ends of the rotation.

NOTE 47: Based on future E-Bde MTOE authorizations. The Prepo fleet will not be able to support this additional troop. Troop will have to rail all combat systems.

NOTE 48: Forward Support Bn

Medevac Team, 22 personnel authorized, OC available, Prepo support - NO, MILES required.

Surgical Team, 20 personnel authorized, OC available, Prepo support - NO, MILES required.

(see **Appendix F**, paragraph 1, sub para I, the air medevac support will remain a troop list exception) If requested and approved the above numbers will be the authorization.

NOTE 49: TF IN and OUT bound support required for NGB Sep Bdes deployment into NTC rotation and redeployment to homestation.

NOTE 50: Unit (Bde) responsible for direct coordination with CA/PSYOPS Teams. The OC augmentation is required until OC is assigned to NTC Operations Group. The Bde funds deployment of CA/PSYOPS Teams from rotational funding. Point of Contact for CA/PSYOPS teams DSN: 239-5805/5875.

NOTE 51: The DISE element is a white hat item linking to the Tactical Analysis Facility (TAF) (Starwars Bldg 988). The following items are some of the equipment authorized as an example and not requiring troop list exception approval. Coordination is required with NTC to ensure supportability. TROJAN Spirit, Warrior, ACE, Command Control System (CCS), Tac Intel Gathering and Exploitation Relay (TIGER), Compartmented ASAS Message Processing System (CAMPS), Mobile Integrated Tactical Terminal (MITT), and Warlord Remote Workstation (RWS).

NOTE 52: LRSD requires OC augmentation.

NOTE 53: May substitute a dual purpose chemical platoon.

NOTE 54: Deleted.

NOTE 55: When required or deploying to NTC Tactical Sensitive Compartmented Information Facilities (T-SCIFs), will be IAW AR 380-28 (DA

Special Security System), DCID 1/21 (Physical Security Standards for Construction of SCIF), and DOD C(c) 5105.21 M-1 (Sensitive Compartmented Information Security Manual, Administrative Security, March 1995). All T-SCIF requests will be approved by FORSCOM. All coordination for T-SCIF requests.

Commander, NTC & Ft Irwin

G-2 Directorate of Intelligence & Security

ATTN: AFZJ-I-SSO, POST OFFICE Box 105047

Bldg 985, Room 109

Fort Irwin, CA 92310-5047

NOTE 56: All non-MTOE communication equipment to include cellular phones and any other electrical emitter requires an approved troop list exception. Exceptions will not be approved unless tested prior to the rotation by NTC G3, Spectrum Management Division. Use of cellular phones requires the using unit to reimburse Ft Irwin for local system use and must be approved via the troop list exception process. This includes communications systems that operate in a roaming mode and billed via home station accounts.

NOTE 57: The TDA structure of NTC Operations Group has limited ability to support the full OC requirements of a Divisional Cavalry Squadron. Therefore the parent division and corps is responsible to support a divisional cavalry rotation with OC augmentation as required based on the unit MTOE structure, task organization and shortages of TDA filled positions within Operations Group. This ensures the division cavalry squadron receives the proper OC focus and training objective coverage the unit deserves.

NOTE 58: When and rotation is scheduled for the 101st AA Div, the DISE support cell is authorized 45 personnel.

NOTE 59: The ADA batteries deploying to NTC are only authorized their organic MTO&E equipment plus two GBS radar sections. Any equipment above MTO&E must be approved as an exception to the troop list, and will require additional augmentation.

NOTE 60: Unit must provide OC augmentation IAW table below for each Stinger/Avenger platoons deployed. If tactical employment of these assets required deployment in sections and individual teams throughout the depth of the battlefield safety requirements and NTC O/C coverage capabilities will be exceeded. Failure to provide required OC augmentation may results in consolidation of assets.

FORSCOM Regulation 350-50-1

Number of Systems	Number of OC Augmentees Required
1 GBS	0 - 14J
2 GBS	1 - 14J
3 GBS	2 - 14J
1 - 3 Stinger Teams	0 - 14S
4 - 6 Stinger Teams	1 - 14S
7 - 10 Stinger Teams	2 - 14S
3 - 6 Avenger Teams	1 - 14S
7 - 9 Stinger Teams	2 - 14S

NOTE 61: Current TDA does not provide full-time NTC OC coverage of the integration and execution of the ADA BOS as part of the Bde TOC. Continuous operations require augmentation to provide observatiuon and feedback of the planning, preparation, and execution phases of the ADA battery and integration into the Bde combat team.

NOTE 62: Use of the Battalion Air Battle Management Operations Center (ABMOC) is authorized. Coordination with NTC Operations

Group prior to rotation is required. ABMOC will normally function as a white cell.

NOTE 63: Avenger M3P .50Cal blank firing adapters (BFA) are available for draw with the Force on Force MILES kit.

NOTE 64: The MP augmentation is required to provide support for squad missions. One SSG (95B) is required for this augmentation. If tactical employment requires MP squads to task organize into smaller elements, then OC coverage capabilities will be exceeded. Failure to provide proportional augmentation may result in consolidation of assets.

NOTE 65: Provide two E-4/5 (95B) to augment Fort Irwin Garrison law and order operations due to increased on-post activities. Coordinate directly with Fort Irwin Provost Marshal.

APPENDIX B

NTC Leader Training Program (LTP)

B-1. Purpose

To provide an enhanced training opportunity for commanders and staffs in preparation for future NTC rotations.

B-2. Training Objectives

LTP is designed and resourced to simultaneously train a Brigade staff, and its subordinate Task Force/Battalion staffs, and ground maneuver company commanders. The LTP training objectives are based on the unit commander's training assessments, with the LTP training schedules tailored to meet unit needs. The LTP consists of core training objectives and optional electives which commanders may select based on their assessments. Core training objectives include the following:

- a. Reception, staging, onward movement, and integration (RSOI), and logistics recon.
- b. Risk assessment and environmental awareness.
- c. Trend reversal classes identified by the Commander, Operations Group.
- d. Tactical Decision Making Process (TDMP).
- e. Battle Command.

B-3. Concept of Operation

a. LTP is a 6-day training program for units with a scheduled rotation and a 3-day program for National Guard Enhanced Brigades, ARNG Divisions and selected units. Units conduct the LTP about 120 days prior to their scheduled rotation. Brigade and battalion commanders and staffs participate in the LTP task organized as they will be for their NTC rotation (75 personnel max.).

b. The NTC Operations Group provides O/Cs to conduct LTP training, lead after-action reviews, and coach commanders and staff officers.

c. Brigade commanders will provide staff and unit METL assessments NLT C-180, to Chief, LTP, who will then develop an LTP schedule for brigade commander approval. **See figure B-1** for the LTP time line.

d. During execution of LTP rotations, brigade and battalion staffs receive classroom and field instruction, conduct TDMP, observe NTC battles, conduct staff rides/terrain recons, conduct JANUS simulation exercises, and receive AARs as required. Ground maneuver company commanders receive classroom and field instruction, conduct terrain recons, and participate in the JANUS simulation execution. All instruction and recons are mission

focused emphasizing horizontal and vertical coordination and synchronization.

e. Forces Command will approve any changes to the LTP schedule, only after coordination with Corps HQ and/or NGB.

f. Unit Brigade Commanders have the option to request a seventh day of LTP training. The additional day allows units and staffs additional elective training time and staff coordination with the Fort Irwin installation staff. To request the seventh day contact Commander, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062, DSN 367-5489 or 6150. The additional day is optionally only, and is at the cost of the rotational unit.

B-4. Allocation of Training Periods

The NTC will conduct ten 6-day LTP sessions per year for units scheduled for NTC rotations. FORSCOM will fund 6-day LTP sessions. Additionally, NTC can conduct one 3-day session per month/rotation, for a total of up to ten per year. These 3-day sessions are at unit cost, and are scheduled second in priority to 6 day sessions.

B-5. Responsibilities

a. Headquarters, FORSCOM

(1) Schedule and monitor unit participation in the LTP.

(2) Distribute LTP training periods to FORSCOM AC and RC units, other MACOMs, and USACAC Advanced Military Studies Classes.

(3) Coordinate the LTP with the following agencies and commands:

(a) Department of the Army, Deputy Chief of Staff for Operations, (DCSOPS) Training Division. Staff actions usually concern resources or participation by commands.

(b) National Guard Bureau. Coordination involves the selection and scheduling of NG units.

(c) Corps, CONUSAs, and USARC. Coordination generally involves unit participation and scheduling.

b. Headquarters, NTC.

(1) Coordinate LTP actions with HQs, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC (DCSOPS Training), Fort McPherson, GA 30330-1062.

(2) Provide facilitators for LTP.

(3) Coordinate training, as per schedule with units participating in LTP.

(4) Plan and provide training support to units participating in LTP.

(5) Provide administrative information packet to RC personnel NLT C-200.

B-6. Miscellaneous

a. Headquarters, FORSCOM, funds unit travel and TDY for LTP participation of scheduled rotational units for 6 day LTP.

b. Units participating in 3-day sessions are responsible for funding travel and TDY.

c. Headquarters, NTC, funds base operations:

(1) Equipment. The LTP participants provide their own CTA 50-901.

(2) Billeting. The NTC will provide billeting for up to 75 personnel at Fort Irwin. Units must provide personnel data for all attendees to the LTP NCOIC NLT C-150.

(3) Transportation. The NTC will provide bus transportation from Ontario or Las Vegas airport (for commercial flights) to Fort Irwin and return. Units using military air, are required to use Southern California International Airport. Units must notify LTP of flight arrangements NLT 14 days prior to arrival. Additionally, three TMP vans/sedans will be provided to unit personnel for local transportation on Fort Irwin. The NTC HMMWVs will be used to transport personnel to observe battles and conduct staff rides/recons. Unit will ensure ten personnel participating in LTP have a valid military drivers license for HMMWVs/ vans/sedans. Licensing will be IAW AR 385-55 and AR 600-55 including a defensive driving course training or an accident avoidance course.

(4) Dining Facility. Unit personnel will use one of the dining facilities on Fort Irwin. Personnel should be issued field meal cards for LTP training.

d. Generally units should consider participating in LTP only if they can bring appropriate battalion and Brigade staff and Commanders. This works out to 25 officers/NCO's to maximize the training opportunity. An example of the LTP attendance is Bde Cdr, Bde S-3, Bde S-3 plans, Bde S-2, Bde asst. S-2, Bde FSO, Bde ALO, Bde Eng, Bde S-4, Bde ADO, MP, Bde CHEMO. At Battalion level the minimum is Bn Cdr, Bn S-3, Bn S-2, Bn S-4 and Bn FSO.

e. In the event that a rotation is scheduled for a Division Cavalry Squadron, Light Battalion or Attack aviation Bn play the rotational brigade will coordinate a allocation of seats to the additional unit. Normally, no additional funding or schedule space is available for special Bn or Sqdn size LTP sessions.

B-7. Uniforms. The uniform for LTP training is the Battle Dress Uniform (BDU) with appropriate field gear, including eye protection for staff rides/ recons, see **Appendix L** for suggested seasonal listings.

B-8. Scheduling. Units requesting a 3-day LTP session must coordinate with their Corps Headquarters. The NG units must coordinate with NGB. All effort will made to schedule NGB units during IDT periods. Forces Command AFOP-TRC schedules 6-day LTP sessions for units that are scheduled for NTC rotations as part of the CTC scheduling process. Coordination of 3-day sessions with FORSCOM AFOP-TRC, DSN: 367-5489/6150 is required following Corps and NGB approval. Direct coordination with NTC LTP is discouraged.

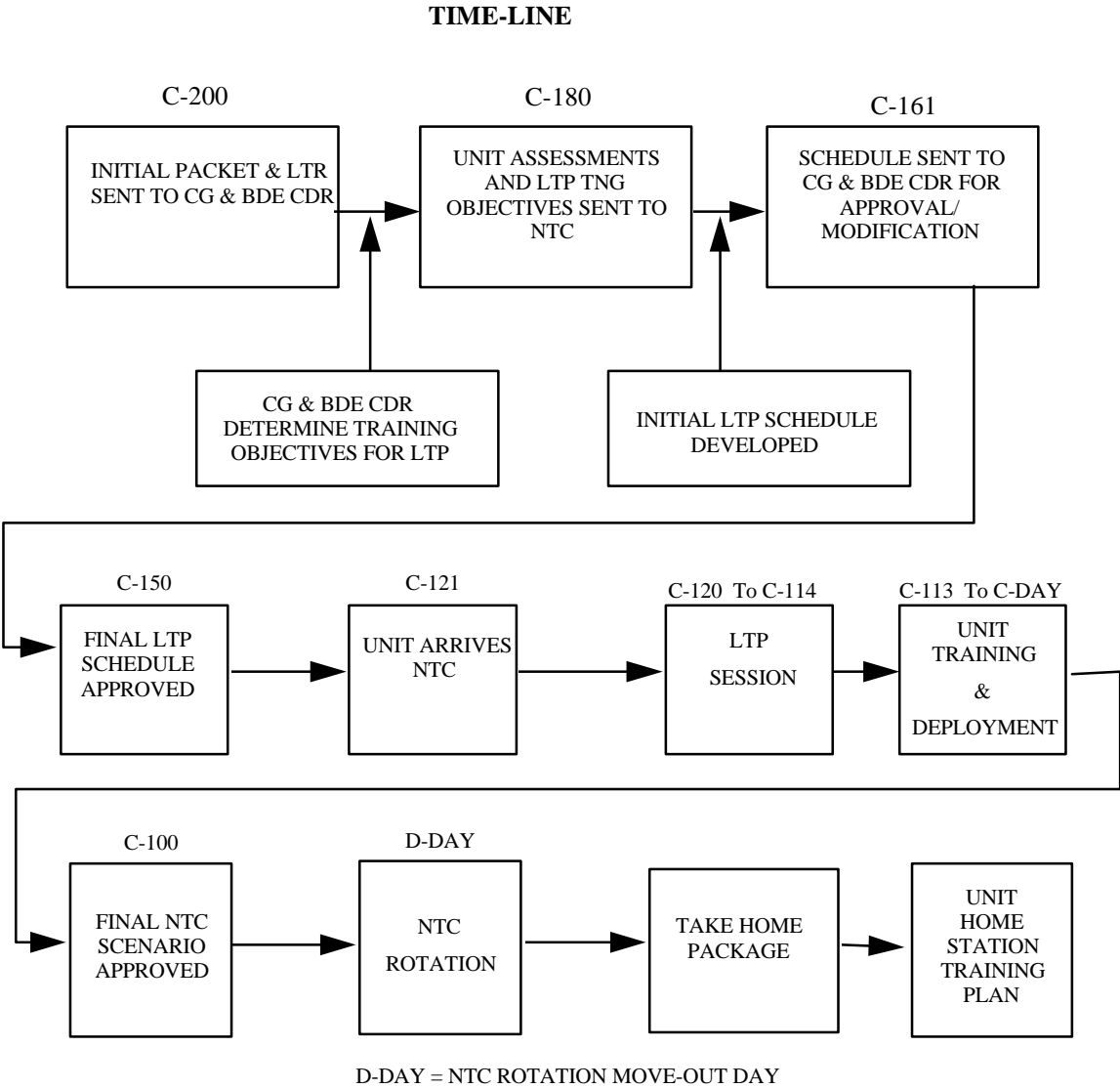


Figure B-1
(See Appendix I)

APPENDIX C

Opposing Force Augmentation (OPFOR)

C-1. General

This appendix outlines the NTC OPFOR Augmentation Program and provides guidance to AC and RC units preparing to deploy an OPFOR augmentation unit (OAU) to the NTC.

a. Procedures.

(1) The NTC OPFOR (11th Armored Cavalry Regiment) replicates the major elements of a motorized rifle regiment (MRR), and opposes the training units during FFT by executing offensive and defensive combat operations employing current threat doctrine.

(2) Forces Command augments the OPFOR with infantry and engineer units to provide the correct OPFOR signature during FFT. The OAU fall into two categories:

(a) Infantry rifle companies (light, mechanized, air assault, or airborne) used in the infantry role.

(b) Engineer companies (divisional, corps combat, or combat heavy), used in an engineer role.

(3) During Nuclear Biological Chemical (NBC) play, the OPFOR uniform will consist of the OPFOR shirt and trousers, with the protective mask and hood. This will distinguish the OPFOR from the BLUFOR, and will provide the OPFOR with equivalent limitations of, visual acuity, and communications effectiveness.

C-2. Allocation of training period

a. The FORSCOM units must provide three infantry companies and one combat engineer company per training rotation. Requirements are assigned to each corps in a direct ratio to the number of training rotations allocated per fiscal year.

b. National Guard Bureau schedules OPFOR infantry and engineer companies where possible in support of rotations. The ARNG units providing OPFOR infantry and engineer augmentation to NTC will not exceed 17 days of AT, including travel time.

c. Forces Command schedules OPFOR augmentation during the annual CTC scheduling workshop.

d. Other MACOMs, USAR, USMC units, foreign nation volunteers, and the 3rd Inf Reg (Old Guard) frequently request OPFOR augmentation slots on a volunteer basis. Requests must be coordinated through their higher headquarters to Headquarters, FORSCOM, DCSOPS, Training, 1777 Hardee Avenue, SW., ATTN: Combat Training Centers Branch (AFOP-TRC), Fort McPherson, GA 30330-1062.

C-3. Specific Responsibilities

a. Headquarters, FORSCOM:

(1) The FORSCOM tasks units to provide OPFOR augmentation companies and periodically publishes an updated schedule of tasked units.

(2) Provide RC units the opportunity to participate in the OPFOR Augmentation Program. Units will be exempt from a formal Training Analysis Model (TAM) evaluation (FORSCOM Regulation 220-3).

(3) Ensure MACOMs identify company/battalion size units to perform OAU duty no less than 180 days in advance and are aware of their responsibilities per para C-3c.

(4) Each NTC rotation requires OAU of 3 Infantry Companies and one Heavy Engineer Company. One of the Infantry Companies must have 10 M113 trained drivers. Relief from this requirement requires FORSCOM DCSOPS approval.

b. Commander, NTC:

(1) Initiate the coordination between OAU and NTC OPFOR (11th Armored Cavalry Regiment) and provide an administrative/operations packet to the OAU prior to deployment.

(2) Coordinate the OAU's use of training areas with 11th ACR.

(3) Provide OAU with Class I, II, III, IV, V, VII, VIII, and IX, maps and MILES equipment.

(4) Provide billets for companies with access to shower facilities when not in the field.

(5) Issue OPFOR uniforms to augmentation unit personnel for duration of the field exercise.

(6) Provide medical support.

(7) Provide DS maintenance support as needed.

(8) Conduct the OPFOR Academy for the OAU.

(9) Coordinate drop zone support as required by OAUs.

(10) Assist in coordinating transportation to and from the local air-head for the OAU.

(11) Provide a tentative list of engineer work/projects to engineer units prior to departure from home station.

(12) Provide the OAU a training schedule 30 days prior to deployment for garrison training. Field training schedules will be issued upon arrival. The OAU commanders will submit NLT 30 days prior to deployment, an optional training time schedule to include range requests, if required.

c. The OPFOR Augmentation Unit.

(1) Infantry and engineer units will submit requests to train as an OAU through command

channels to Headquarters, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062.

(2) After being scheduled as an OAU, contact the NTC G3, Plans and Operations Division, ATTN: AFZJ-PTO, DSN: 470-3326/3602, to initiate coordination.

(3) Final coordination is made with the S-3, 11th Armored Cavalry Regiment (ATTN: AFZJ-AC-O, DSN 470-5129/5125) and the NTC host unit, HHT, 11th Armored Cavalry Regiment (ATTN: AFZJ-AC-HT, DSN 470-4726/5169).

(4) Coordinate with NTC MCC Surface Section (DSN 470-4977/4978) for local transportation to and from local port of entry. Coordinate with NTC TSC MCC Rail Section for equipment coming in by rail carrier, NLT 30 days prior to deployment.

(5) **Deleted.**

(6) Training areas, Ranges, Drop Zone use. Submit OAU optional training time schedules, including any range and drop zone requests 120 days prior to deployment, to S-3, 11th Armored Cavalry Regiment.

C-4. Concept

a. Requests to augment the NTC OPFOR during a training period should be submitted through command channels prior to the annual scheduling workshop.

b. Units scheduled/tasking by FORSCOM will comprise company-size infantry and engineer units. Infantry units will consist of not less than 65, and not more than 120, officers and soldiers. Parent battalion may task organize, as necessary, to meet strengths. Above numbers represent combat soldier strengths, support personnel are required above the combat strength.

c. Coordination Procedures for OAU

(1) Augmentee units must make coordination by FONCON with 11th Armored Cavalry Regiment, S-3, at DSN 470-5129/3138/5125, upon notification. The regiment S-3 will send a copy of the Augmentee SOP. The regiment will arrange for a coordination visit of three personnel (company commander, executive officer, and supply sergeant for company size OAUs, as well as battalion executive officer and S4 for a battalion-size OAU) to conduct a logistics recon of Fort Irwin. Coordination will also be made for a leaders recon for company commanders and platoon leaders to attend the Red Thrust Leaders Course and observe the preparation and execution of a mission with the OPFOR Regiment.

(2) The 11th Armored Cavalry Regiment performs the OPFOR mission at the NTC. The

command and control of the regiment rotates between the two squadrons.

(3) The OAU should conduct a logistics recon when its headquarters is in a planning cycle. The leaders recon should be conducted when the regimental headquarters is in a rotation cycle.

(4) The S3, 11th Armored Cavalry Regiment, will inform OAU who its headquarters will be and give guidance to allow for optimum time to conduct logistics and leaders recon.

d. The 11th ACR will attach OAUs to the regiment for UCMJ and administrative actions.

e. OAU. Each engineer and infantry OAU will bring personnel and equipment shown at paragraph C-6. Headquarters, FORSCOM, will provide transportation and operating funds for AC/RC personnel and equipment deployment. Commanders desiring to bring personnel and equipment above the levels listed in paragraph C-6 may do so in coordination with Cdr, NTC; however, corps, division, separate brigade, or regiment will fund the operations and transportation costs associated with additional personnel and equipment.

f. The OAU will arrive no earlier than 6 and no later than 4-days prior to training day 0. The unit will participate in OPFOR Academy training in preparation for the training period. The unit will redeploy from Fort Irwin NLT 3-days after completion of the training period and obtaining its final clearance from 11th Armored Cavalry Regiment.

C-5. Logistical Support

The NTC will provide logistical support to each OAU. Units will receive logistical support through a "host unit."

a. Class I. The OAU will draw rations using meal cards from 11th ACR and will provide personnel to augment the host unit dining facility. The OAU will provide a total head count to the host unit dining facility OIC/NCOIC upon arrival at NTC (see Note 1).

b. Class II. The 11th ACR will provide OPFOR uniforms. The 11th ACR will provide a list of Class II items to bring from home station.

c. Class III and IV. The OPFOR regiment will provide all POL supplies for NTC issued equipment only. The NTC, MMC will provide barrier material through the OPFOR regiment, for both infantry and engineer OAUs. The DA Form 1687 for garrison and field Class III accounts will be prepared with the host unit commander's signature upon arrival at NTC.

d. Class V.

(1) The OPFOR regiment will provide all training ammunition required by the OAU.

(2) The OAU's desiring to conduct live fire training on an NTC range must use home station ammunition authorization and coordinate supply support NLT 120-days prior to the training period. Units must coordinate range planning initially through NTC G3/DPTMSEC, Training Division (AFZJ-PTT), at DSN 470-4520 or commercial (619) 380-4520. (See note 7)

e. Class VI. The Fort Irwin PX, Commissary, Enlisted and NCO Clubs, and other morale support activities are available to OAU personnel.

f. Class VIII.

(1) The OAU will deploy with a minimum of one medic per platoon. Medics should receive additional training prior to deployment in the recognition and treatment of hot/cold weather and poisonous insect/reptile injuries. The OAU's will deploy with enough medical supplies to sustain the unit for 30-days, to include aidbags, splints, etc., for use by platoon medics.

(2) The host unit medical officer will provide necessary medical support. Each company has two medical evacuation vehicles with complete Medical Equipment Sets (MES), stretchers and backboard. The MEDEVAC is available for real world support only and host medical unit will ensure MEDEVAC procedures are understood.

g. Class IX.

(1) The host unit will provide Class IX support, organizational and DS maintenance for NTC drawn equipment and vehicles (see Note 3).

(2) The OAU is responsible for DLRs and organizational maintenance for equipment and vehicles brought to the NTC from their home station (see Note 3).

h. Billets. A company barracks and orderly room which can accommodate 120 soldiers will be provided to visiting units. The provisional arms room will have M16 weapons racks, and must be guarded 24 hours a day.

i. MILES. The MILES warehouse at Fort Irwin does not repair MILES equipment that was not issued from Fort Irwin's MILES stocks. Units are encouraged to bring additional MILES (i.e., TOWS, DRAGONS, VIPERS) to augment NTC supplies.

j. UNIFORM. The BDU or OPFOR uniform can be worn by OAU soldiers in all facilities at NTC. Civilian clothes are not required and are optional. The OPFOR uniforms are provided by the NTC. The OAU may use OPFOR uniform assets from home station, but are not required to purchase any additional uniform items.

C-6. Personnel and Equipment List for OAUs

a. Each infantry OPFOR augmentation company will bring the following:

<u>Personnel/Equipment Unit(s)</u>	<u>Required</u>
Infantry Company	1
Infantry Platoon	3
HQ Platoon	1
Personnel (total) (Note 1,2,3,6)	100/120

Equipment: The CTA 50-901 clothing for hot or cold weather, as appropriate, to include: Cold weather parkas and field pants w/liners, sleeping bags, ponchos w/liners, two 1-quart and one 2-quart canteen per soldier.

<u>Personnel/Equipment Unit(s)</u>	<u>Required</u>
Obstacle Breaching equipment, including grappling hooks w/rope, engineer tape, wire cutters, wire gloves, and shovels.	As directed, 1 set per squad

MILES Dragon 1 per squad

MILES Viper 2 per squad

Squad Radio 1 per squad

Night vision Devices: 2 per squad (Only passive night sights as authorized by MTOE are allowed to be used by OPFOR units)

PRC Radios w/batteries 6 - 1 per squad

MILES equipment provided by the NTC.

b. Each engineer OPFOR augmentation company will bring the following:

<u>Personnel/Equipment Units (s)</u>	<u>Required</u>
Engineer Company (Corps/Heavy)(-)	
Engineer Platoon	2
Hvy Equipment or Support PLT	1
HQ Platoon	1
Personnel (total)	120 (NOTE 1,3,4)

Equipment: The CTA 50-901 clothing for hot or cold weather, as appropriate, to include: Cold weather parkas and field pants w/liners, sleeping bags, ponchos w/liners, two 1-quart and one 2-quart canteen per soldier (OD coveralls are authorized when doing engineer field work).

<u>Personnel/Equipment Unit(s)</u>	<u>Required</u>
Dozer, D7 or D8 (or D5s) 8 (note 7)	6
Prime Mover w/Trailer	6
Bucket Loader	2
Backhoe or SEE	3
C2 Vehicles	8
Squad Vehicles	8
HEMTT or 5T Fuel	1
HEMTT or 5T Cargo	2
Contact Truck	2
Wrecker, 5-ton or HEMTT	1
250 CFM Compressor	1
Water Trailer (May - Sept, 2 required)	1

MILES equipment provided by the NTC
(see note 5).

Night Vision Devices (per vehicle) 2
GPS 5

NOTE 1: To include two cooks (94B) per company and an additional 94B NCOIC for a Bn OAU.

NOTE 2: The NTC will provide all MILES equipment, however due to cases by case shortages, units need to coordinate with the 11th ACR.

NOTE 3: The OAU will include all company organizational maintenance personnel as needed per line company.

NOTE 4: Engineer units may bring a complete TOE company, if fully funded. The NTC provides

specific equipment for use by the OAU. Coordinate with Regimental engineers for listing.

NOTE 5: The OAU will provide licensed drivers. All infantry OAUs will have five 2 1/2 ton /5 ton drivers and 10 M113 drivers. Recommend coordination with RS-3 for guidance on M113 drivers.

NOTE 6: The OAU must send personnel to a Fort Irwin range safety class prior to signing for any training area or range on Ft. Irwin. Coordination can be made with Fort Irwin Range Control for class date and time at ext DSN 470-3875 or COMM (760)380-3875.

NOTE 7: The 8 D-5 dozers are authorized in-lieu of the D-7/8 requirement.

APPENDIX D

Weather Support

D-1. General

Weather support for NTC training units is critical to operations and safety. This appendix establishes procedures and responsibilities for weather support to the NTC staff and rotational units.

D-2. Concept of Operations

Each rotational unit will determine their NTC weather support requirements and coordinate with their local Staff Weather Officer (SWO) to establish appropriate weather support. When direct weather support is needed, each rotational unit will deploy a weather team (WETM). The deployed WETM will provide customer oriented weather products. During rotations, the NTC weather flight will operate 24 hours a day and provide METWATCH.

D-3. Responsibilities

a. The Rotational Unit will:

(1) Coordinate weather support requirements (including aviation weather support) and pre-deployment planning weather through their assigned SWO or through their next higher headquarters SWO.

(2) Deploy with a sufficient number of assigned weather personnel to meet operational requirements at all echelons of the rotation. When assigned WETM's are not available and direct weather support is required, units will request augmentation through their assigned SWO or through their next higher headquarters SWO.

(3) Provide WETM's all logistics support required to accomplish their mission.

(4) Provide necessary equipment and establish field communications so the deployed WETM's can receive weather information from distant sources and transmit weather information to all customers.

b. The Rotational SWO will:

(1) Arrange for sufficient weather support to the rotational unit.

(2) Coordinate weather support requirements between the rotational unit, WETM, and NTC weather flight.

Coordinate their concept of weather support requirements and a Letter of Instruction (LOI) with the NTC SWO NLT 30 days prior to the

beginning of the rotation.

(4) Provide pre-deployment planning weather to the rotational unit.

(5) Coordinate with a Weather Support System Cadre (WSSC) if Tactical Weather Systems technical assistance is needed during pre-deployment or during the rotation.

c. The Rotational WETM will:

(1) Provide all direct SWO, forecast, flight weather briefing, and observing support required by the rotational unit(s), in accordance with existing regulations, and instructions.

(2) Deploy with tactical equipment necessary to provide the required weather support.

(3) Inform NTC weather flight of any local weather hazards at the deployed site.

(4) Within two weeks after return to home station, provide an After Actions Report to the NTC SWO, their next higher headquarters, and the FORSCOM SWO.

d. The NTC weather flight will:

(1) Provide all weather support required by the NTC staff IAW NTC Regulation 115-1.

(2) Provide an NTC LOI, any applicable SOPs, and climatological package to the rotational SWO NLT 30 days prior to deployment.

(3) Assist deployed WETM with technical guidance on southwestern US weather regimes and local terrain effects.

(4) Issue and disseminate all weather warnings and advisories affecting the NTC range to the NTC staff and rotational WETM.

(5) Work with the NTC staff if any communication link(s) between the NTC weather flight and the deployed unit become(s) non-operational.

(6) Provide weather guidance and SWO support to the Division Tactical Operations Center (DTC) when assuming the role of a higher echelon WETM. Make available, through the DTC, standard, non-customer unique, weather products to rotational units not assigned WETM's.

(7) When necessary, request additional manning through ACC channels for rotational support.

APPENDIX E

Training Unit After Action Report

E-1. General

The training brigade/regiment will forward an after action report (AAR) 60 days (90 days for RC) after main body departure from the NTC to the following: Commander, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062; and Commander, NTC, ATTN: AFZJ-PT. Units deploying to NTC as part of an ARNG rotation will also forward a AAR copy to National Guard Bureau, ATTN: NGB-ARO-TU, 111 S. George Mason Drive, Arlington VA 22204-1382. The AARs are normally unclassified and will refer to the rotation number in the title (e.g., AAR NTC Rotation 97-01). Cite the following required RCS on the after action report: RCS Exempt, AR 335-15, paragraph 5-2e(7).

E-2. Specific Instructions

The AAR will consist of written comments in memorandum format with a completed FORSCOM Form 1065-R, Rotational Unit Worksheet (**figure E-1**) attached. The approved troop list and report on Military Movement of Radioactive Material will also be provided, as enclosures.

a. Use the memorandum format to address the following topics for the written comments:

- (1) Tactical lessons learned. Address the Battle Functions.
- (2) Administrative lessons learned, including deployment, redeployment, equipment draw and regeneration.
- (3) Benefits of training at the NTC.
- (4) Recommendations for doctrinal improvement.
- (5) Recommendations/lessons learned on preparatory training including comments on usability of ARTEP or any other training and training support product developed by TRADOC.
- (6) Recommendations for improvement of the NTC experience.

b. The FORSCOM Form 1065-R, consists of sections on general information, unit task organization, manning, numbers of personnel, key personnel, amount of equipment (by type used), rotation costs, OPFOR augmentation, and points of contact. There is a separate section for Armored Cavalry Regiment information. Necessary information not included on the form can be added in the remarks section. Instructions on the form are listed below:

- (1) Section I: Key Dates.
- (2) Section II: Task Organization.
 - (a) Brigade. Companies and detachments under brigade control. List by unit, number of major

pieces of equipment or weapons systems, and home station (if different from brigade).

(b) Armor Task Force. List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(c) Mechanized Infantry Task Force. List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(d) Light type battalion size task forces (i.e., Light Infantry Task Force, Airborne Infantry Task Force, etc.). List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(e) Artillery. List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(f) Engineer. List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(g) Forward Support Battalion. List by unit, number of major pieces of equipment, and home station (if different from brigade).

(h) Army Aviation. List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(i) Division Cavalry Squadron. List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(j) Main Support Battalion (-). List by unit, number of major pieces of equipment, and home station (if different from brigade).

(l) Air Force. List by unit, and home station (if different from brigade).

(2) Section III: Manning. List total number of M1, M2, M3, and mortar crews at full and partial strength. Provide number of dismounted infantry squads for mechanized and light (Light, Airborne, Air Assault) infantry. List number of attack helicopter crews.

(3) Section IV: Personnel. List by unit task organization, number of personnel authorized and deployed. List all Reserve Component augmentation by MOS and quantity. Provide total personnel comparison between FORSCOM Regulation 350-50-1 and rotational unit deployment.

(4) Section V: Key Personnel. List the brigade commander and staff officers, and battalion commanders by position and prior NTC experience.

(5) Section VI: Equipment Totals. List quantity totals by type for track vehicles, wheeled vehicles, engineer equipment and MI electronic equipment. Indicate number of items from NTC and from home station (e.g., 37/4 x M2, which means 41 total M2s used, 37 drawn from NTC and 4 of which came from home station).

(6) Section VII: Same instructions apply for Armored Cavalry Regiment (ACR) task organization section.

(7) Section VIII: Same instructions apply for ACR manning section.

(8) Section IX: Same instructions apply for ACR personnel.

(9) Section X: NTC Rotation costs. Applies to all rotations. Enter unit/rotation information as shown.

(a) Include TDY costs associated with conducting each rotation. Examples are advanced team visits to NTC, observer and command visits.

(b) Transportation costs as follows:

1 Rail costs. Use the total cost of all rail cars for the rotation. It is not necessary to specify costs by type or size rail car, or whether costs were incurred for transportation to the NTC or returning from the NTC.

2 Air costs. List all costs for air transportation of personnel and equipment, except costs associated with ferrying helicopters. Use costs incurred by the Army and chargeable to the installation. Do not include JA/ATT costs.

3 Bus costs. Include all costs whether chartered or ticketed. Include costs incurred by Fort Irwin and paid by DD Form 448.

4 Commercial Line Haul. Include all costs of contracting commercial trucking for rotation.

5 Helicopter Transportation costs. Include costs of transporting helicopters via Air Force SAAM. Do not include the costs of self-deployment.

6 Other Transportation costs. List any additional transportation costs incurred, and explain in remarks section at end of form.

7 Total Transportation costs. Total all transportation costs listed.

(c) Reimbursable Support Provided by Fort Irwin. List amount advanced to NTC via MIPR prior to the rotation as well as any additional costs incurred during/after the rotation.

(d) Other costs. Any additional costs not already addressed, such as blocking and bracing material and medical supplies.

(e) Total costs. Add total transportation costs, operating costs (MIPR), and other costs. Do not include OPFOR costs in this total.

(f) Nonreimbursable costs. List estimated costs for JA/ATT support as shown.

(g) Other use factors. Provide information as stated with further explanation in remarks as appropriate.

1 For number of rail cars used, indicate total number of rail cars by type, e.g., 60-ft flat car, 89-ft flat car, bi-level. Calculate an average of the deployment and redeployment rail cars by type. For example, if ninety 60-ft flatcars were used for deployment and one hundred 60-ft flatcars were used for redeployment indicate 95 for the average usage of 60-ft flat cars.

2 Number of participants. List number of participants from home station and other points for a grand total. Do not include OPFOR augmentation costs or participation in these figures.

3 Remarks. Use as necessary, to include continuation sheets.

(10)Section XI: OPFOR Augmentation Data. Provided by NTC. List unit, home station, point of contact and total number of soldiers for infantry, engineer and other augmentation units. List state and National Guard as applicable (e.g., TX ARNG) in lieu of Fort _____.

(11)Section XII: Points of contact. The NTC will list POCs for the NTC, division, and brigade.

c. Additionally, NTC requires each unit to complete a Rotational After Action Survey. The intent of the survey is to improve Ft. Irwin and NTC support to rotational units. The surveys will be completed and turned into G3 NTC, prior to redeployment.

ROTATIONAL UNIT WORKSHEET (FORSCOM Reg 350-50-1, RCS Exempt: AR 335-15, para 5-29q)		
ROTATION NUMBER		DATE
DIVISION	BRIGADE/ACR	HOME STATION
TYPE OF ROTATION		
SECTION I. KEY DATES		
INCLUSIVE DATES		TRAINING DATES
LTP		EARLY ARRIVAL
ADVANCE		DRAW
TURN-IN		FINAL CLEARANCE
SECTION II. TASK ORGANIZATION		
A. BRIGADE (COMPANIES AND DETACHMENTS) <i>(List by unit, number of major pieces of equipment or weapons system and home systems if different.)</i>		
HHC/_____ BDE _____ / _____ - _____ ADA (_____ X BSFV/ _____ X S/) _____ X _____ SCOUT/(SENSOR TM) CO/TM _____ / _____ MI (FT _____) (_____ X HMMWV) _____ X _____ (OTHER EQUIPMENT) _____ / _____ MP (_____ X HMMWV) _____ / _____ SIG (DS) (M SE) (_____ SIG BDE) (FT _____) _____ / CHEM CO (-) (FT _____) _____ / _____ (RECON) (_____ X _____) (FOX OR M113A2) _____ / _____ (DECON) (_____ XM12/ _____ X TPU) _____ / _____ (SMK) (_____ X M1059)		
B. ARMOR TASK FORCE <i>(List by unit, number of major pieces of equipment or weapons system and home systems if different.)</i> _____ - _____ AR HHC/ _____ - _____ AR (_____ X M1A1/ _____ X M3 or _____ X HMMWV SCOUT/ _____ X M106/ _____ X M113A2) _____ / _____ - _____ AR (M1A1) _____ / _____ - _____ AR (M1A1) _____ / _____ - _____ IN (_____ X M2/ _____ X M113A2) _____ / _____ - _____ IN (_____ X M2/ _____ X M113A2) E/ _____ - _____ IN (_____ X M3) FIST _____ COLT TM _____		

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C. MECHANIZED INFANTRY TASK FORCE *(List by unit, number of major pieces of equipment or weapons systems, and home station if different.)*

_____ - _____ IN (M)

HHC/ _____ - _____ IN (_____ X M2/ _____ X M3 or _____ X HMMWV SCOUT/ _____ X M106/ _____ X M113A2)

_____ / _____ - _____ IN (_____ X M2/ _____ X M113A2)

_____ / _____ - _____ IN (_____ X M2/ _____ X M113A2)

E/ _____ / _____ IN (_____ X M3)

_____ / _____ - _____ AR (_____ X M1A1)

_____ / _____ - _____ AR (_____ X M1A1)

D. LIGHT, AIRBORNE OR AIR ASSAULT INFANTRY TASK FORCE (_____ BDE/ _____ DIV) (FT _____) *(List by unit, number of major pieces of equipment or weapons systems, and home station if different.)*

_____ - _____ IN

HHC/ _____ - _____ IN (_____ X SCOUT PLT/ _____ X M252)

A/ _____ - _____ IN (_____ X IN PLT/ _____ X M47/ _____ X M224)

B/ _____ - _____ IN (_____ X IN PLT/ _____ X M47/ _____ X M224)

C/ _____ - _____ IN (_____ X IN PLT/ _____ X M47/ _____ X M224)

_____ / _____ / _____ - _____ IN (_____ X TOW, HMMWV MTD)

_____ / _____ / _____ / _____ ADA (_____ X S)

_____ / _____ / _____ EN (SAPPER PLT) (EQUIPMENT _____)

_____ / _____ - _____ FA (_____ X 105MM) (FT _____)

_____ / _____ LT TRUCK PLT _____ X _____ (TRUCK)

_____ AR (ABN) _____ X M551/ _____ X _____ (TRUCK/HMMWV)

_____ FIST

_____ / _____ SPT CO TM/FAST/FASCO _____ X _____ (HMMWV) / _____ X _____ (TRUCK)

E. ARTILLERY *(List by unit, number of major pieces of equipment or weapons systems, and home station if different.)*

_____ - _____ FA (DS) (FT _____)

HHC/ _____ - _____ FA

A/ _____ - _____ FA (_____ X M1009A3)

B/ _____ - _____ FA (_____ X M109A3)

C/ _____ - _____ FA (_____ X M109A3)

SVC/ _____ - _____ FA

_____ - _____ FA (R) (O&I SEC) (FT _____)

HHC/ _____ - _____ FA BDE MET SEC (FT _____)

F. ENGINEER *(List by unit, number of major pieces of equipment or weapons systems, and home station.)*

_____ - _____ EN BN (-)

HHC/ _____ - _____ EN (FT _____) *

_____ / _____ EN

F. ENGINEER (Cont) <i>(List by unit, number of major pieces of equipment or weapons systems, and home station if different.)</i> _____ / _____ EN _____ / _____ EN CO (CSE PLT (-)) (FT _____) _____ X D7/ _____ X ACE/ _____ X CEV/ _____ X SEE/ _____ X MW24C _____ X DUMP TRK/ _____ X AVL/ _____ X PRIME MOVER/ _____ X MICLTC/ _____ X M113A2																																																
G. FORWARD SUPPORT <i>(List by unit, number of major pieces of equipment, and home station if different.)</i> _____ FSB (BSA) (FT _____) HHC/ _____ _____ / _____ (S&S) (_____ X TRK) _____ / _____ (MAINT) _____ / _____ (MED) (_____ X COTS)																																																
H. AVIATION HHC/ _____ BDE (-) (FT _____) _____ AHB (FT _____) _____ AVN (FT _____) _____ AVN LIFT (FT _____) _____ MEDEVAC (II) (FT _____) _____ / _____ / _____ ATS (EQUIPMENT: _____) <table border="0" style="width:100%;"> <tr> <td></td> <td align="center">AH-64/AH-1</td> <td align="center">OH-58A/C</td> <td align="center">OH-58D</td> <td align="center">UH1H</td> <td align="center">UH-60</td> <td align="center">CH-47D</td> </tr> <tr> <td>_____ - _____ AHB</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>_____</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> </tr> <tr> <td>_____</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> </tr> <tr> <td>_____</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> </tr> <tr> <td>_____</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> <td align="center">_____X</td> </tr> </table>								AH-64/AH-1	OH-58A/C	OH-58D	UH1H	UH-60	CH-47D	_____ - _____ AHB							_____	_____X	_____X	_____X	_____X	_____X	_____X	_____	_____X	_____X	_____X	_____X	_____X	_____X	_____	_____X	_____X	_____X	_____X	_____X	_____X	_____	_____X	_____X	_____X	_____X	_____X	_____X
	AH-64/AH-1	OH-58A/C	OH-58D	UH1H	UH-60	CH-47D																																										
_____ - _____ AHB																																																
_____	_____X	_____X	_____X	_____X	_____X	_____X																																										
_____	_____X	_____X	_____X	_____X	_____X	_____X																																										
_____	_____X	_____X	_____X	_____X	_____X	_____X																																										
_____	_____X	_____X	_____X	_____X	_____X	_____X																																										
I. TASK ORGANIZATION. DIVISION CAVALRY SQUADRON <i>(List by unit, number of major pieces of equipment or weapons systems; and home station if different.)</i> _____ / _____ CAV (_____X HMMWV, _____X M3, _____X M577, _____X M113A2) _____ / _____ CAV (_____X HMMWV, _____X M3, _____X M1A1, _____ M113A2) _____ / _____ CAV (_____X HMMWV, _____X M3, _____X M1A1, _____ M113A2) _____ / _____ CAV (_____X HMMWV, _____X M3, _____X M1A1, _____ M113A2) _____ / _____ / _____ ADA PLT (_____X HMMWV) _____ / _____ / _____ CHEM RECON SQUAD (_____) _____ EN CO _____ X DUMP TRK/ _____ X AVL/ _____ X PRIME MOVER/ _____ X MICLTC/ _____ X M113A2 _____ GSR SQUAD (_____) (AIR TROOPS SEE H. - AVIATION)																																																

<p>J. DIVISION SUPPORT <i>(List by unit, number of major pieces of equipment, and home station if different.)</i></p> <p>_____ MSB (-)</p> <p>HHD/_____ MSB (-)</p> <p>A/ _____ (-) (S&S) (_____ X TRK)</p> <p>B/ _____ (-) (TRANS) (_____ X TRK)</p> <p>C/ _____ (-) (CL-IX)</p> <p>D/ _____ (-) (DS MAINT)</p> <p>E/ _____ (-) (MISSILE)</p> <p>F/ _____ (-) (MED) (_____ X COTS)</p> <p>_____ AVN (AVIM)</p> <p>_____ ORD (ATP)</p> <p>DMMC</p>	<p>SAMPLE</p>
<p>K. AIR FORCE <i>(List by unit, number of major pieces of equipment or weapons systems, and home station.)</i></p> <p>TX/ _____/DET/_____ TAIRCW (-) (DS) (HOME STATION: _____)</p> <p>TM/ _____/DET/_____ WXSQDN(-) (DS) (HOME STATION: _____)</p> <p>EQUIPMENT:</p>	
<p>SECTION III. MANNING</p>	
<p><i>List total number of M1, M2, M3, M901, mortar crews at full and partial strength. Provide number of dismounted infantry squads for mechanized and light airborne, or air assault infantry. List number of helicopter crews.</i></p> <p>M1 CREWS _____</p> <p>M2 CREWS _____</p> <p>M3 CREWS _____</p> <p>MORTAR CREWS ARMOR _____ MECH _____</p> <p>IN SQD (MECH) _____</p> <p>IN SQD (LIGHT) _____</p> <p>ATTACK HELICOPTER CREWS _____</p> <p>REMARKS</p>	

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SECTION IV. PERSONNEL

A. BY UNIT

UNIT	PERSONNEL
	Auth/Deploy
HHC/_____ BDE	TOTAL _____/_____
_____/_____ AR	_____/_____
HHC/_____ - _____ AR	_____/_____
A/_____ - _____	_____/_____
B/_____ - _____	_____/_____
C/_____ - _____	_____/_____
D/_____ - _____	_____/_____
_____/_____	TOTAL _____/_____
_____/_____ IN (M)	_____/_____
HHC/_____ - _____ IN	_____/_____
A/_____ - _____	_____/_____
B/_____ - _____	_____/_____
C/_____ - _____	_____/_____
D/_____ - _____	_____/_____
_____/_____	TOTAL _____/_____
_____ - _____ FA (DS)	
HHB/_____ - _____ FA	_____/_____
A/_____ - _____ FA	_____/_____
B/_____ - _____ FA	_____/_____
C/_____ - _____ FA	_____/_____
SV C/_____ - _____ FA	_____/_____
_____/_____ FA (DS)	TOTAL _____/_____
_____ - _____ FA (-) (O&I SEC)	
_____ - _____ FA (-)	TOTAL _____/_____
HHB/_____ - _____ FA (MET)	TOTAL _____/_____
_____ FSB (BSA)	
HHD/_____ FSB	_____/_____
A/_____ FSB	_____/_____
B/_____ FSB (MAINT)	_____/_____
C/_____ FSB (MED)	_____/_____
_____ FSB	TOTAL _____/_____
_____ EN BN (-)	
HHC/_____ EN	_____/_____
_____/_____ EN	_____/_____
_____/_____ EN	_____/_____
_____/_____/_____ EN (CSE)	_____/_____
	TOTAL _____/_____

SAMPLE

<u>UNIT</u>	<u>PERSONNEL</u>
	Auth/Deploy
CO _____/_____ - _____ ADA	
HQ _____/_____ - _____ ADA	_____/_____
_____/_____ - _____ ADA (BSFV)	_____/_____
_____/_____ - _____ ADA (BSFV)	_____/_____
_____/_____ - _____ ADA (S)	_____/_____
_____/_____ - _____ ADA (SCT)	_____/_____
_____/_____ - _____ ADA	TOTAL ____/____
CO/TM _____/_____ MI	
HQ _____ MI (-) (C&C)	_____/_____
_____ MI (IEWSE)	_____/_____
_____/_____ MI (C&J)	_____/_____
_____/_____/_____ MI (GSR)	_____/_____
	TOTAL ____/____
_____/_____ M P (DS)	TOTAL ____/____
_____ CHEM CO (-) (DS)	
HQ/_____ CHEM	_____/_____
_____/_____ CHEM (RECON)	_____/_____
_____/_____ CHEM (DECON)	_____/_____
_____/_____ CHEM (SMK)	_____/_____
	TOTAL ____/____
_____ SIG (MSE)	TOTAL ____/____
HHC/_____ AVN BDE	TOTAL ____/____
_____/_____ AHB	
HHC/_____ - _____ A HB	_____/_____
_____ - _____ A HB	_____/_____
_____ - _____ A HB	_____/_____
_____ - _____ A HB	_____/_____
_____/_____ AHB	TOTAL ____/____
_____ AVN LIFT	TOTAL ____/____
_____ ASSLT	TOTAL ____/____
_____ AVIM	TOTAL ____/____
_____ ATS	TOTAL ____/____
_____ WEATHER	TOTAL ____/____

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SECTION IV. PERSONNEL (Continued)			
<u>UNIT</u>	<u>PERSONNEL</u> Auth/Deploy	<u>UNIT</u>	<u>PERSONNEL</u> Auth/Deploy
_____/_____/_____ (L/ABN/AA)	_____/_____	_____/_____/_____ FIST (LT)	_____/_____
HHC/_____-_____- IN	_____/_____	_____/_____/_____ SPT CO TM/FA ST/FASCO	_____/_____
A/_____-_____- IN	_____/_____	<i>Avn listed with Section II H.</i>	
B/_____-_____- IN	_____/_____	ROTATION SUPPORT	
C/_____-_____- IN	_____/_____	DTC AUGMENTATION	TOTAL ____/____
_____/_____/_____ IN	TOTAL ____/____	L/F AUGMENTATION	TOTAL ____/____
ALO _____	TOTAL ____/____	DIVISION SUPPORT CELL	TOTAL ____/____
LIGHT INF SPT PORTION		MSG NODE SUPPORT CELL	TOTAL ____/____
_____/_____/_____-_____- A DA	_____/_____	ENGR ENVIRONMENTAL TM	TOTAL ____/____
_____/_____/_____ ENGR (SA PPER)	_____/_____	FORSCOM O/C AUG	TOTAL ____/____
_____/_____/_____ TRANS (LT TRK)	_____/_____	<i>(List by rank and speciality in remarks)</i>	
_____/_____/_____ FA (X 105MM)	_____/_____	OTHER	TOTAL ____/____
_____/_____/_____ AR (ABN)	_____/_____		
B. DIVISION CAVALRY SQUADRON		PERSONNEL Auth/Deploy	
_____/_____/_____ CAV	_____/_____	SAMPLE	
HHT/_____/_____/_____ CAV	_____/_____		
_____/_____/_____ CAV (GROUND TROOP)	_____/_____		
_____/_____/_____ CAV (GROUND TROOP)	_____/_____		
_____/_____/_____ CAV (GROUND TROOP)	_____/_____		
_____/_____/_____ CAV (AIR RECON)	_____/_____		
_____/_____/_____ CAV (AIR RECON)	_____/_____		
_____/_____/_____ CAV (AVN SVC)	_____/_____		
_____/_____/_____ A DA PLT	_____/_____		
_____/_____/_____ CHEM RECON SQD	_____/_____		
_____/_____/_____ ENG CO	_____/_____		
_____/_____/_____ IEW SE	_____/_____		
_____/_____/_____ GSR SQD	_____/_____		
TOTAL ____/____			
C. RESERVE COMPONENT AUGMENTATION			
D. ROTATIONAL PERSONNEL TOTALS			
FORSCOM REGULATION 350-50-1		ROTATIONAL UNIT	
HVY _____		HVY _____	
LT _____		LT _____	
DIV CAV _____		DIV CAV _____	
AVN _____		AVN _____	
TOTAL _____		TOTAL _____	

FORSCOM Regulation 350-50-1

SECTION V. KEY PERSONNEL		
BRIGADE	PRIOR NTC EXPERIENCE	
BDE/REGT CDR _____	_____	
BDE/REGT CSM _____	_____	
____ IN (M)/SQDN CDR _____	_____	
____ AR/SQDN CDR _____	_____	
____ IN (L) CDR _____	_____	
____ FA (DS) CDR _____	_____	
____ FA (O&I) CDR _____	_____	
____ FSB CDR _____	_____	
____ MSB (-) CDR _____	_____	
____ EN CDR _____	_____	
____ AHB CDR _____	_____	
____ AV CDR _____	_____	
____ AV CDR _____	_____	
BDE/REGT XO _____	_____	
S-1 _____	_____	
S-2 _____	_____	
S-3 _____	_____	
S-4 _____	_____	
BDE/REGT EN _____	_____	
BDE/REGT FSO _____	_____	
BDE/REGT DAO _____	_____	
SECTION VI. EQUIPMENT TOTALS (Include Home Station (HS) and NTC Draw)		
A. TRACK VEHICLES (List quantity totals by type of track vehicles, wheeled vehicles, engineer equipment and M I electronic equipment.)		
NTC/HS	NTC/HS	NTC/HS
____/____ X M1A1 (____ x MINE PLOW)	____/____ X M113A2	____/____ X _____
____/____ X M1A2	____/____ X M577	____/____ X M981
____/____ X M2	____/____ X M109A3	____/____ X M88A2
____/____ X M3	____/____ X M109A4	____/____ X M578
____/____ X M106	____/____ X M109A5	____/____ X M1059
____/____ X _____	____/____ X M109A6	____/____ X M551
	____/____ X M548/M992 (FAASV)	

SECTION VI. EQUIPMENT TOTALS (Include Home Station and NTC Draw) (Continued)		
B. WHEELED VEHICLES (List quantity totals by type of track vehicles, wheeled vehicles, engineer equipment and M I electronic equipment.)		
NTC/HS	NTC/HS	NTC/HS
___/___ X HMMWV CARGO/TRP	___/___ X HEMTT CARGO	___/___ X 6K FKLT
___/___ X HMMWV S250 SHELTER	___/___ X TRACTOR 5 TON	___/___ X 10K FKLT
___/___ X HMMWV ARMAMENT	___/___ X TRACTOR 10 TON	___/___ X TRLR 400 GAL h20
___/___ X HMMWV AMB	___/___ X TRACTOR LET	___/___ X TPU 1.2K h20
___/___ X HMMWV 1097	___/___ X TRACTOR HET	___/___ X SEMITRAILER 5K h20
___/___ X CUCV M1008A1	___/___ X TRK LINE HAUL	___/___ X TPU 1.2K FUEL
___/___ X CUCV M1008A1 W/COM	___/___ X SEMITRLR 12 TON	___/___ X HEMTT 2.5K FUEL
___/___ X CUCV M1028 SHELTER	___/___ X SEMITRLR 22.5 TON	___/___ X SEMITRAILER 5K FUEL
___/___ X CUCV M1009 UTILITY	___/___ X SEMITRLR 60T LOWBED	___/___ X WRECKER 5 TON
___/___ X CUCV M1010 AMB	___/___ X SEMITRLR REFR	___/___ X WRECKER HEMTT
___/___ X TRK CARGO 2-1/2 TON	___/___ X TRLR HEMTT 10 TON	___/___ X M93 FOX
___/___ X TRK CARGO 5 TON	___/___ X TRLR CHASSIS 3.5 TON	___/___ X M973 SUSV (SNOW)
___/___ X VAN SHOP 2-1/2 TON	___/___ X VAN TAC-FIRE	___/___ X VAN EXPANDO 5 TON
___/___ X VAN SHOP 5 TON	SAMPLE	___/___ X M 12 TRK MTD
C. ENGINEER EQUIPMENT (List quantity totals by type of track vehicles, wheeled vehicles, engineer equipment and M I electronic equipment.)		
NTC/HS	NTC/HS	NTC/HS
___/___ X TRK CARGO 2-1/2 TON	___/___ X TRK DUMP 5 TON	___/___ X PIONEER KIT SQD
___/___ X ACE	___/___ X TRK DROP SIDE 2-1/2 TON	___/___ X PIONEER KIT PLT
___/___ X CEV	___/___ X TRK DROP SIDE 5 TON	___/___ X MICLIC
___/___ X SEE	___/___ X SEMITRLR 25T LOWBED	___/___ X GENSS
___/___ X MW24C SCOOP LOADER	___/___ X SEMITRLR 40T LOWBED	___/___ X VOLCANO
___/___ X AVLB	___/___ X TRL BOLSTER 4 TON	___/___ X FLIPPER M138
___/___ X TRK DUMP 2-1/2 TON	___/___ X CRANE 7.5 TON	___/___ X TRK BRIDGE
D. ELECTRONIC EQUIPMENT (List quantity totals by type of track vehicles, wheeled vehicles, engineer equipment and M I electronic equipment.)		
_____ X AN/GRC-122	_____ X ASM-146	_____ X TLQ-17A
_____ X AN/MLQ-34	_____ X NIGHTHAWK	_____ X TSQ-138
_____ X AN/PAC-193	_____ X PPS-5	_____ X REMBASS
_____ X AN/PRC-213	_____ X PRD-11	_____ X QUICKFIX
_____ X AN/TRQ-32	_____ X TK-144 W/SHELTER	_____ X LLVI
_____ X AN/TYL-10A	_____ X TLQ-17	_____ X _____

SECTION VII. ARMORED CAVALRY REGIMENTAL TASK ORGANIZATION	
A. REGIMENTAL HQ (COMPANIES AND DETACHMENTS) <i>(List by unit, number of major pieces of equipment or weapons system and home systems if different.)</i>	
HHT/ _____ REGT	ADA (_____ X S/) AVENGER (_____) (When authorized) (_____ X HMMWV)
B. FIRST CAVALRY SQUADRON <i>(List by unit, number of major pieces of equipment or weapons system s and home station if different.)</i>	
_____ / _____ CAV HHT/ _____ / _____ CAV _____ X M3 _____ X HMMWV _____ XMS77 _____ X M113A2) _____ / _____ / _____ CAV (_____ X M1A1, _____ X M3, _____ X M113A2) _____ / _____ / _____ CAV (_____ X M1A1, _____ X M3, _____ X M113A2) _____ / _____ / _____ CAV (_____ X M1A1, _____ X M3, _____ X M113A2) _____ / _____ / _____ FA (_____ X M109 _____ X M113A2) AIR TROOPS (See G- AVIATION) FIST _____	
C. SECOND CAVALRY SQUADRON <i>(List by unit, number of major pieces of equipment or weapons system s and home station if different.)</i>	
_____ / _____ CAV HHT/ _____ / _____ CAV _____ X M3 _____ X HMMWV _____ XMS77 _____ X M113A2) _____ / _____ / _____ CAV (_____ X M1A1, _____ X M3, _____ X M113A2) _____ / _____ / _____ CAV (_____ X M1A1, _____ X M3, _____ X M113A2) _____ / _____ / _____ CAV (_____ X M1A1, _____ X M3, _____ X M113A2) _____ / _____ / _____ FA (_____ X M109 _____ X M113A2) AIR TROOPS (See G- AVIATION) FIST _____	
D. ARTILLERY <i>(List by unit, number of major pieces of equipment or weapons systems, and home station if different.)</i>	
_____ - _____ FA (DS) (FT _____) HHT/ _____ - _____ FA A/ _____ - _____ FA (_____ X M109A3) B/ _____ - _____ FA (_____ X M109A3) C/ _____ - _____ FA (_____ X M109A3)	SVC/ _____ - _____ FA _____ - _____ FA (R) (O&I SEC) (FT _____) _____ - _____ FA (R) (O&I SEC) (FT _____) HHT/ _____ - _____ FA BDE MET SEC (FT _____)
E. ENGINEER <i>(List by unit, number of major pieces of equipment or weapons systems, and home station if different.)</i>	
_____ - _____ EN BN (-) HHT/ _____ - _____ EN (FT _____) * _____ / _____ EN _____ / _____ EN _____ / _____ / _____ EN (CSE) _____ X D7/ _____ X ACE/ _____ X CEV/ _____ X SEE/ _____ X MW24C _____ X DUMP TRK/ _____ X AVLB/ _____ X PRIME MOVER/ _____ X MICLTC/ _____ X M113A2	

SAMPLE

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SECTION IX. ARMORED CAVALRY REGIMENT PERSONNEL			
A. BY UNIT			
<u>UNIT</u>	<u>PERSONNEL</u> Auth/Deploy	<u>UNIT</u>	<u>PERSONNEL</u> Auth/Deploy
HHT/_____ REGT	TOTAL ____/____	_____/____ MI CO (-)	_____/____
_____ / _____ CAV	_____/____	HQ _____ MI (-) (C&C)	_____/____
HHT/_____ - _____ CAV	_____/____	_____ MI (IEWSE)	_____/____
_____/____ - _____ CAV	_____/____	_____/____ MI (C&J)	_____/____
_____/____ - _____ CAV	_____/____	_____/____ MI (GSR)	_____/____
_____/____ - _____ CAV	_____/____	_____/____ (QUICK FIX)	_____/____
_____/____ - _____ (FA)	_____/____	SAMPLE	TOTAL ____/____
TOTAL ____/____		_____/____ MP (DS)	TOTAL ____/____
_____ / _____ CAV	_____/____	_____ CHEM CO (DS)	
HHT/_____ - _____ CAV	_____/____	HQ/_____ CHEM	_____/____
_____/____ - _____ CAV	_____/____	_____/____ CHEM (RECON)	_____/____
_____/____ - _____ CAV	_____/____	_____/____ CHEM (DECON)	_____/____
_____/____ - _____ (FA)	_____/____	_____/____ CHEM (SMK)	_____/____
TOTAL ____/____		TOTAL ____/____	
_____ - _____ FA (DS)		_____ SIG (MSE)	TOTAL ____/____
HHB/_____ - _____ FA	_____/____	_____/____ CAV (AVN)	TOTAL ____/____
A/_____ - _____ FA	_____/____	_____ AVN LIFT	TOTAL ____/____
B/_____ - _____ FA	_____/____	_____ ATS	TOTAL ____/____
C/_____ - _____ FA	_____/____	_____ WEATHER	TOTAL ____/____
SVC/_____ - _____ FA	_____/____		
TOTAL ____/____			
_____ - _____ FA (-) (O&I SEC)	TOTAL ____/____		
HHB/_____ - _____ FA (MET)	TOTAL ____/____	ROTATION SUPPORT	
_____ CAV (SPT)		DTOC AUGMENTATION	TOTAL ____/____
HHT/_____ CAV	_____/____	L/F AUGMENTATION	TOTAL ____/____
A/_____ CAV	_____/____	ROTATION SUPPORT CELL	TOTAL ____/____
B/_____ CAV	_____/____	MSE NODE SUPPORT CELL	TOTAL ____/____
C/_____ CAV	_____/____	ENGR ENVIRONMENTAL TM	TOTAL ____/____
TOTAL ____/____		FORSCOM O/C AUG	TOTAL ____/____
CO _____/____ - _____ ADA		(List by rank and speciality in remarks)	
HQ _____/____ - _____ ADA	_____/____	OTHER	TOTAL ____/____
_____/____ - _____ ADA (BSFV)	_____/____		
_____/____ - _____ ADA (BSFV)	_____/____		
_____/____ - _____ ADA (S)	_____/____		
_____/____ - _____ ADA (SCT)	_____/____		
TOTAL ____/____			
_____ EN CO	_____/____		
_____ EN CO	_____/____		
_____/____ EN CO (CSE)	_____/____		
TOTAL ____/____			

SECTION IX. ARMORED CAVALRY REGIMENT PERSONNEL PERSONNEL *(Continued)*

B. RESERVE COMPONENT AUGMENTATION

SAMPLE

C. ROTATIONAL PERSONNEL TOTALS

FORSCOM REGULATION 350-50-1

ROTATIONAL UNIT

ACR TOTAL _____

ACR TOTAL _____

SECTION X. NTC ROTATION COSTS			
A. NTC ROTATION NUMBER AND DIVISION/ACR			
B. TYPE UNITS			
HEAVY BDE	LIGHT INF	DIV CAV	ACR
OPFOR INF CO <i>(Number funded by Heavy unit)</i>		OPFOR ENG CO <i>(Number funded by Heavy unit)</i>	
C. INSTALLATION <i>(Heavy Bde/ACR)</i>		UNIT DESIGNATION	
POC		DSN	
D. COSTS			
TDY			\$
TRANSPORTATION <i>(Paid by unit, not JA/ATT)</i>			
RAIL			\$
AIR			\$
BUS			\$
COMMERCIAL LINE HAUL			\$
HELICOPTER TRANSPORT			\$
OTHER TRANS			\$
TOTAL TRANSPORTATION COSTS			\$
REIMBURSABLE SUPPORT PROVIDED BY FT IRWIN			\$
OTHER COSTS			\$
TOTAL COSTS			\$
NON REIMBURSABLE COSTS			
JA/ATT <i>(For AVN Elements)</i>			\$
JA/ATT <i>(For Non-AVN Elements)</i>			\$
OTHER			\$
OTHER USE FACTORS			
Number of Personnel in TDY Status			
Number of TDY days			
Number of rail cars <i>(89' standard, use average one way)</i>			
Number of commercial trucks used <i>(Use average one way)</i>			
Number of participants <i>(Include AC/RC/NG when combined by type unit)</i>			
Number from Home Station			
Number from other Posts <i>(List Posts/location in Remarks)</i>			
Number and type of JA/ATT aircraft			
Remarks			

SECTION XI. OPFOR AUGMENTATION <i>(Data provided by NTC)</i>			
A. INFANTRY			
UNIT	COMMANDER	PERSONNEL	
_____ / _____ - _____ IN (FT _____)	(RANK) _____, _____.	_____	
_____ / _____ - _____ IN (FT _____)	_____, _____.	_____	
_____ / _____ - _____ IN (FT _____)	_____, _____.	_____	
B. ENGINEER			
_____ / _____ EN/ _____ EN BDE (FT _____)	_____, _____.	_____	
C. OTHER			
_____ (_____)	_____	_____	
_____ (_____)	_____	_____	
TOTAL _____			
SECTION XII. POINT OF CONTACT			
A. NATIONAL TRAINING CENTER			
Name		Address	
DSN	Commercial Number	FAX DSN	
B. UNIT			
G3 POC	DSN	FAX DSN	
BDE POC	DSN	FAX DSN	
REMARKS			

APPENDIX F

Aviation

F-1. General

a. This appendix outlines authorized aircraft templates and troop list by type rotation. These authorizations provide the basis for division flying hours and other resource funding in support of aviation participation at the NTC. Unit will project and submit flying hours needed for a rotation in their yearly flying hour program. Rotation funding is based on these authorizations.

b. In accordance with Chief of Staff, Army guidance, the goal is to have each FORSCOM active component attack helicopter battalion, aviation squadrons, and division cavalry squadron conduct an NTC rotation every two years. Additionally, the ARNG will program for one ARNG Attack Bn per year. The MILES AGES training aids are available for these rotations.

c. If a rotation does not involve an attack helicopter battalion or division cavalry squadron, the rotational brigade may deploy an aviation team to support C2 and admin/logistic requirements. If the rotation is a heavy/light rotation, then an assault helicopter company (light task force) is authorized and resourced for deployment by the parent corps or MACON. Additional aircraft, in excess of those templated, must be requested as an exception and funded/resourced internally.

d. The corps/division providing the light task force for a heavy/light rotation is responsible for providing the assault helicopter company and AVIM section. The heavy force provides the command and general support helicopters.

e. The 101st Airborne Division (Air Assault) is authorized an aviation task organization that will support air assault operations for the Air Assault/Heavy rotations. Additionally, the unit will be responsible for providing O/C augmentation, including personnel and aircraft.

f. Medium lift (CH-47s) and air traffic control support may be provided by the heavy force's respective corps. If a corps does not have CH-47s, it may substitute UH-60s for authorized CH-47s, at a rate of two UH-60s per CH-47.

g. **Deleted.**

h. Forces Command will resource aviation units (flight hours or SAAM) to support deployment and redeployment operations only. Units will execute rotational training OPTEMPO from within their annual flight hour program. Units are responsible to program flight hours for the rotation. All CH-47s self-deploy.

i. Air Medevac support as part of the tactical training is not templated. If a commander desires to

train aviation Medevac, it will be requested in the troop list exception process for approval by FORSCOM Chief of Staff. Note: **Appendix A**, note 48.

F-2. Aviation task force missions at NTC

a. Conduct day/night attack helicopter operations against an opposing force.

b. Air move or air assault one infantry company in one lift for light, airborne, and air assault rotations.

c. Provide general aviation support.

d. Provide command aviation support.

e. Conduct 24-hour operations.

f. Assist division with Army Airspace Command and Control (A2C2).

g. Conduct air cavalry operations.

h. Attack helicopter battalions have the opportunity to conduct deep operations against the China Lake Naval Weapons Test Center's (CLNWTC) radar facility. This training event requires funding by the rotational unit to offset the costs incurred by the Navy. Prior to deploying to the NTC, units desiring to participate in this training should MIPR the required funds to:

Naval Air Warfare Center
Weapons Division
Code 52942OD
ATTN: ECR
China Lake, CA 93555

F-3. Live Fire Participation

Rotational aviation units have the opportunity to participate in live fire tactical scenarios as a complete task force. Participation requirements include:

a. Attack helicopter crews must be at least Gunnery Table VIII qualified IAW FM 1-140 (Helicopter Gunnery) within one year of the start of the rotation.

b. Assault and general support helicopter units may conduct live fire helicopter door gunnery operations. Helicopter door gunner must have qualified IAW **Appendix A** to FM 1-140 (Helicopter Gunnery) within six months of the start date of the rotation.

F-4. Army Airspace Command and Control (A2C2) Requirements

a. Rotational aviation units will provide air traffic services (ATS) to facilitate A2C2 functions for the 52d Infantry Division (Mech) Flight Operations Center.

b. Upon arrival at the NTC, ATS personnel will report to the 52d Infantry Division (Mech) G3 at Bldg 988 for mission instructions.

F-5. Quick Fix personnel and aircraft

Quick Fix personnel and are employed under 52d Mech DTOC control. The Quick Fix capabilities are such that its products must be processed by the DTOC for NTC operations. Division level Quick Fix aircraft will be approved on a case by case basis as an exception to the rotational troop list.

F-6. Heavy Brigade (-) Rotation

All units within the aviation task force, with the exception of the medium lift platoon(-) and the ATC platoon, will be provided by the rotational division. The medium lift support and the ATC support will come from the parent corps.

F-7. ACR Rotation

Aviation support will be provided primarily by the regimental aviation squadron. Medium lift support, AVIM and ATC support will be provided by the parent corps. The third air troop of the Heavy ACR will be approved for deployment on a case by case basis as part of the rotation troop list exceptions.

F-8. Heavy/Light, Airborne, and Air Assault Rotations

The corps/division commander of the heavy force will determine the unit responsible for aviation

support for the rotation. Aviation support with the exception of medium lift, assault helicopter company and its associated AVIM, and ATC will normally be provided by the heavy division. The attack helicopter battalion will normally come from the heavy division, but may be provided by the corps or light division by exception. Aviation flying hours, operational readiness, training status, throughput requirements, and deployment costs must be considered.

F-9. Aviation Brigade HQ, "White Cell"

When an Attack Bn is scheduled for a rotation the parent Div must provide the doctrinal Bde HQ command and control (C2) cell. The cell can play as a "white or blue" depending on training objectives and resources. However, a "C2" Aviation Brigade HQ (-) cell must deploy when an attack helicopter battalion is deployed. The C2 cell can (but will not be required) to deploy tactically, and will receive limited O/C coverage. The C2 cell will provide aviation brigade level planning and control support and be under the operational control of the NTC Operations Group (52d ID).

F-10. Points of Contact (POC)

Forces Command POC for aviation issues is AFOP-AV (DSN 367-5076). The POC for MEDEVAC is AFMD (DSN 367-7375).

**F-11. Aviation Troop List by Type Rotation
HEAVY MODERNIZED BRIGADE (-) ROTATION
(Attack Battalion Supported)**

AVIATION UNIT	PERS	NTC OC	MILES	AH-1/AH-64	UH-60/UH-1	CH-47
AVN BDE HQs (-)	75	Yes	Yes	0	0	0
ATK HEL BN	302	Yes	AGES	24	0	0
GS Avn CO	40	Limited	Yes	0	8	0
CMD Avn Sec	12	No	Limited	0	2	0
MED LIFT SEC	21	Limited	No	0	0	2
Aviation Support Bn (-)		Limited	Yes	0	0	0
GS AVUM	13			0	0	0
AVIM	43			0	1	0
ATS SEC	4	Limited	No	0	0	0
A2C2	4	No	Yes	0	0	0
Totals	511			24	11	2

Aviation Troop List y Type Rotation (Continued)
HEAVY MODERNIZED BRIGADE (-) ROTATION
(Non Attack Battalion Supported, “Vanilla Rotation”)

AVIATION UNIT	PERS	NTC OC	MILES	PREPO	UH-60/UH-1	CH-47
GS AVN CO HQs	15	Yes	Yes	Limited	0	0
GS Avn PLT	23	Yes	Yes	No	4	0
CMD Avn Sec (+)	25	Yes	Yes	No	2	0
Avn Support Slice						
GS AVUM	10	Limited	Yes	No	0	0
DS AVIM	25	Limited	Yes	No	0	0
MED LIFT SEC	21	Limited	No	No	0	2
Totals	119				6	2

HEAVY ARMORED CAVALRY REGIMENT ROTATION
(With Regimental Aviation Squadron)

AVIATION UNIT	PERS	NTC OC	MILES	UH-60/UH-1	AH-1/AH-64	OH-58C	CH-47
REGT AVN SQUADRON	540	Yes	Yes	0	0	0	0
Air Cav Trps (3)		Yes	AGES	0	0	24	0
Atk Trps (2)		Yes	AGES	0	16	0	0
Aslt Trp		Yes	Yes	15	0	0	0
MED LIFT Sec	21	Limited	Limited	0	0	0	2
AVIM (CORPS SPT)	48	Limited	Yes	2	0	0	0
QUICK FIX	18	Limited	Limited	(EH-60) 3	0	0	0
ATC PLT	6	No	No	0	0	0	0
A2C2	4	No	No	0	0	0	0
Totals	634			20	16	24	2

HEAVY/LIGHT, AIRBORNE ROTATIONS
(Non Attack Battalion Supported)

AVIATION UNIT	PERS	NTC OC	MILES	PREPO	UH-60/UH-1	CH-47
GSAB or ASSLT Bn HQ (-)	50	Yes	Yes	Limited	0	0
GS Avn Ptl	23	Yes	Yes	No	4	0
CMD Avn Sec	12	No	Yes	No	2	0
ASSLT HELO CO	70	Yes	Yes	No	15	0
GS or ASSLT AVUM	13	Limited	Yes	No	4	0
MED LIFT SEC	21	Limited	Limited	No	0	2
Avn Spt Bn (-)	(43)	Limited	Limited	No	0	0
AVIM	43	Limited	Limited	No	0	0
ATS SEC	4	No	No		0	0
A2C2	4	No	No		0	0
Totals	237				25	2

HEAVY/LIGHT, AIRBORNE ROTATIONS (Attack Battalion Supported, Lift CO From Light Div)

AVIATION UNIT	PERS	NTC OC	MILES	PREPO	AH-64	UH-60	CH-47
AVN BDE HQs (-)	75	Yes	Yes	Limited	0	0	0
ATK HEL BN	302	Yes	AGES	No	24	0	0
GSAB (-)	65	Yes	Limited	No	0	0	0
CMD AVN SEC	12	Limited	No	No	0	2	0
GS AVN CO	40	Limited	Limited	No	0	8	0

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AVUM (-)	68	Limited	Limited	No	0	0	0
MED LIFT SEC	42	Limited	No	No	0	0	4
Aslt Helo Co	70	Yes	Limited	No	0	15	0
Avn Support Bn (-)	(143)	Limited					
AVIM	43	Limited	Limited	No	0	1	0
A2C2	4	Limited	No	No	0	0	0
ATS SEC	6	Limited	No	No	0	0	0
Totals	827				24	26	4

LIGHT ARMORED CAVALRY REGIMENT ROTATION (with Light ACR Aviation Squadron)

AVIATION UNIT	PERS	NTC OC	MILES	PREPO	UH-60	OH-58D	CH-47
REGT AVN SQUADRON	325	Yes	Yes	Limited	0	0	0
Atk Cav Trps		Yes	AGES	No	0	32	0
Aslt Trps		Yes	Yes	No	15	0	0
MED LIFT SEC	21	Limited	Limited	No	0	0	2
Air MEDEVAC	21	Limited	No	No	(UH-60A)3		
AVIM (CORPS SPT)	43	Limited	Yes	No	1	0	0
QUICK FIX	18	Limited	Yes	No	(EH-60) 3	0	0
ATS SEC & A2C2	8	No	No	No	0	0	0
Totals	436				22	32	2

DIVISION CAVALRY SQUADRON (Personnel already included in Appendix A)**

AVIATION UNIT	PERS	NTC OC	MILES	PREPO	UH-60	OH-58D	CH-47
2 AIR TROOPS	**	Yes	Yes/AGES	Limited	0	*16	0
MED LIFT SEC	20	Yes	Yes	No	0	0	4
GS AVN	20	Yes	Yes	No	3	0	0
DS AVIM	45	Limited	Yes	No	0	0	0
Total	85				3	16	4

* **NOTE:** During the transition to Kiowa Warrior, a unit may bring MTOE authorized aircraft.

LIGHT INFANTRY AIR ASSAULT BDE w/HVY TF ROTATION

AVIATION UNIT	PERS	NTC OC	MILES	PREPO	AH-64	UH-60	CH-47
Avn Bde	100	Yes	Yes	Limited	0	5	0
ASSLT BN	360	Limited	Limited	No	0	30	0
ATK BN	302	Yes	AGES	No	24	0	0
ATK BnN (-) HQ Only	100	Yes	Yes	No	0	0	0
Quick Fix	12	Limited	Yes	No	0	(EH-60) 3	0
Air MEDEVAC	21	Limited	No	No	0	(UH-60A)3	0
MED LIFT CO	239	Limited	No	No	0	0	16

LIGHT INFANTRY AIR ASSAULT BDE w/HVY TF ROTATION (Continued)

CMD Avn SEC	12	No	No	No	0	2	0
GS Avn Plt	23	No	No	No	0	4	0
Avn Spt Bn	(190)						
AVIM	70	Limited	Limited	No	0	1	0
3 and 5 Platoon	50	Limited	Limited	No	0	0	0
ATS SEC	12	No	No	No	0	0	0
A2C2	4	No	No	No	0	0	0
Totals	1342				24	45	16

APPENDIX G

Administrative Support

G-1. Predeployment Package

The NTC will issue a predeployment package containing applicable regulations, SOPs, memorandums of instruction, and other items, to the AC training unit 210-days prior to scheduled training and to the RC training unit 18 months prior to scheduled training. The package will include a list of shortage ammunition items that units may supplement with home station authorizations.

G-2. Military Police (MP)

a. The MP augmentation to perform garrison law enforcement operations at the NTC is not required. However, training unit commanders are responsible for monitoring unit personnel. The NTC requires MP support for the following:

(1) One military policeman for duty at the NTC MP station as liaison and to respond, with assigned NTC MP, to incidents in the cantonment area involving training unit personnel.

(2) If the training unit brings a Military Police Investigator (MPI), the investigator will make a liaison visit to the NTC MPI section to establish liaison and conduct case coordination.

b. The NTC Provost Marshal Office will prepare Serious Incident Reports regardless of personnel or property involved. Training unit military police will investigate incidents which do not involve NTC personnel or NTC property, and will be responsible for all internal MP reports and MPI case numbers they require.

c. Evidence acquired during an investigation initiated by the training unit's MP may be temporarily secured in the NTC MPI/Criminal Investigation Division (CID) evidence depository, pending administrative processing and forwarding to the home station.

G-3. Legal Services

a. Legal assistance. Unit commanders will ensure that the personal affairs of soldiers are in order before deployment. Particular attention should be paid to adequate arrangements for support of dependents. The unit's homestation legal office bears the primary responsibility for legal support. Soldiers should be provided the opportunity to prepare wills and powers of attorney as well as to change pay options and initiate/change allotments. Coordination with the local Staff Judge Advocate (SJA) and Defense Finance Accounting Services (DFAS) will be made as required. The NTC SJA will

provide emergency legal assistance and claims support. The NTC SJA, or his designated legal officer, will be responsible for determining that an emergency exists.

b. Military justice.

(1) Training units will not be attached to the NTC for courts-martial jurisdiction. Unit commanders will coordinate with local SJA for predeployment instructions concerning pending courts-martial and advice on handling any serious incidents which occur while at the NTC. The unit's homestation legal office bears the primary responsibility for legal support.

(2) Training units will deploy with adequate legal support for nonjudicial punishment actions and summary courts-martial. Deployment of a legal officer is encouraged. In the event a legal officer is not deployed, NTC SJA will provide command legal advice, as required.

(3) Legal advice for service members offered nonjudicial punishment or summary courts-martial will be coordinated by the local SJA Trial Defense Service (TDS) office or NTC TDS office.

G-4. Medical Services

a. Units will use organic assets to provide routine medical care to personnel at the most forward deployed medical treatment site or area. Units will assign:

(1) One medical liaison from the 91 series career management field (CMF) to serve as liaison. This individual should be a staff sergeant or above with an understanding of medical terminology and patient administration procedures.

(2) One MOS immaterial soldier (specialist) to serve as the liaison assistant.

b. Weed Army Community Hospital will handle medical support for emergencies beyond the capabilities of the training unit. Units will coordinate with the Commander, Weed Army Community Hospital, 30-days before deployment.

c. The 247th Medical Detachment (RG) Company (Aeromedevac) provides MEDEVAC (Medical Evacuation) service at the NTC for the training unit. Use Range Control frequency 38.90 (FM) to call for MEDEVAC assistance. Units will brief all personnel on the proper procedures for requesting MEDEVAC.

d. Main Support Medical Company (MSMC) (-) will provide support for DTOC augmentees, DSA, and EOC personnel, and soldiers evacuated from the

ROTATIONAL BRIGADE whose condition do not require admission to MEDDAC, Fort Irwin but cannot return to training; support live fire administrative requirements; and act as the clinical liaison for the rotational brigade surgeon. The rotational unit will coordinate evacuation to home station, for soldiers whose condition does not require admission to MEDDAC, Fort Irwin but who cannot return to training. The MSMC (-) will consist of the following:

Personnel	Required
MS Officer (C2)	1
MC Officer	1
Physician Assistant	1
Mental Health Officer	1
NCOIC	1
Treatment Squad	1
Evacuation Squad	1
Patient Holding Squad	1
91G10 or 20	1
91S20 or 30	1
91S10	1
76J20	1
76J10	<u>1</u>
total	27

e. The two health care providers who remain with the main support battalion will conduct a transfer brief, per DOD memorandum, (DOD Inter-Facility Credentials Transfer and Privileging, dated 11 Jul 94) to the Fort Irwin MEDDAC (ATTN: Quality Assurance Office). The health care providers will present this briefing 14 days prior to deployment. Fort Irwin MEDDAC will not allow any additional clinicians to use Fort Irwin MEDDAC facilities.

f. Questions regarding medical services at the NTC will be directed to the Commander, MEDDAC; DSN 470-3108/3171.

G-5. Dental Services

a. Units deploying for training at the NTC must bring organic dental support to provide direct patient care as part of the training exercise. A dental officer, dental assistant, and complete set of field dental equipment should deploy with the rotational unit.

b. The NTC will handle dental problems or emergencies beyond the capabilities of the training unit. Units will coordinate with the Commander, NTC Dental Activity (DENTAC), 30 days before deployment.

c. Practitioner Privileging. A written request for courtesy privileges will be sent to the NTC and Fort Irwin DENTAC from the rotational unit's DENTAC commander 60 days prior to deployment. The request must include a summary of the dental officer's current privileging status, validation of

current licenser and BCLS, summary statement addressing DA Form 5374-R, Performance Assessment, DA Form 5441-R, Evaluation Of Privileges-Deleties.

d. Questions regarding dental services at the NTC will be directed to the Commander, DENTAC.

G-6. Chaplain Support

Units will deploy with chaplain support. The NTC chaplain is available for coordination.

G-7. Emergency Leave/Red Cross Support

When available, units will deploy with a Red Cross field representative. Under AR 600-8-10, the commander has authority to approve/disapprove emergency leaves. The training unit will make coordination with the Fort Irwin Red Cross field representative office (Bldg 548) and the Fort Irwin Emergency Operations Center for emergency leave support.

G-8. Morale Support Activities

Morale support activities at the NTC are available for use by training unit personnel.

G-9. Postal Service

a. Address mail for training unit personnel as follows:

PFC JOHN J. DOE
Co//////////, ////////////Bn
(Rotation # ////////////)
BOX 105138
Fort Irwin CA 92310-5000

b. The NTC will issue mail in bulk to brigade postal personnel. Qualified personnel will accompany the unit to the NTC to perform breakdown and issue of mail.

c. Units will not sell postal money orders in the field while at the NTC. Units can purchase postal money orders from the Post Office (Bldg 320). Units must coordinate requirements in excess of 100 money orders with the DOIM-Fort Irwin 10 days prior to deployment to the NTC.

d. Units will deliver all outgoing mail to the Mail and Distribution Center (Bldg 306). Units will process mail requiring special postal services through the Post Locator (Bldg 306).

e. Units training at the NTC will appoint an officer or senior NCO as the brigade postal officer. The postal officer and the brigade mail clerk must in-process through the Installation Postal Officer or NCO (Bldg 13) prior to receiving any mail at the Post Office. Upon departure from the NTC, postal personnel must clear through the Post Locator.

f. Brigade mail clerks must possess a secret clearance; brigade security managers must verify clearance 30-days prior to deployment to NTC. Unit personnel requiring access to classified material and/or information must be verified by authorized unit security managers. Unit security managers must authorize and send security verification with original signatures to:

Commander, NTC & Fort Irwin
G-2.Director on Intelligence & Security
ATTN: AFZJ-I-S, POST OFFICE Box 105059
Fort Irwin, CA 92310-5059

G-10. Copy Support

A copy machine is available in the Movement Control Center (MCC) (Bldg 13) for use by training units at the NTC. Training unit S4s will provide all copier supplies. Training units must coordinate additional reproduction support with the installation DOIM, Operations and Systems Integration Division (OSID), Administrative Services Branch (Bldg 410) DSN 470-4372.

G-11. Maps

Units will order maps through normal procurement channels. Training units must have the following map sheets. The NTC cannot provide bulk issue of maps to rotational units.

- a. Sheet, Fort Irwin, Series V795S, Edition 1-DMA Military Installation Map North, (1:50,000).
- b. Sheet, Fort Irwin, Series V795S, Edition 3-NIMA Military Installation Map South, (1:50,000). (NAD 27 DATUM sheets are obsolete)
(order WGS 84 DATUM sheets)

G-12. Environmental/Archaeological Restrictions

- a. Environmental and archaeological restrictions applicable to Fort Irwin are in NTC Regulations 351-3, 200-1, and 200-6. The NTC Regulation 200-1 (Training and Field Exercises), Chapter 10, lists the land protection rules necessary at Fort Irwin. The NTC Regulation 200-6 (Hazardous Materials Waste Management Program) requires reporting and clean-up of spills, limits the use of solvents, prohibits the disposal of hazardous wastes and liquids in the Fort Irwin landfill, and requires that used POL be placed in designated storage tanks, and empty drums or containers be properly turned in.
- b. The rotational unit will be required to contract for the use of waste disposal facilities in/around mobile AAR sites.
- c. Environmental Team. Rotational units will deploy with an engineer detachment to provide exclusive support for environmental cleanup. Configuration is listed in **Appendix A**, Note 30.

d. Fenced in areas are off limits environmental protected areas. Maneuver units will not enter these areas.

e. The only place a unit is authorized to paint distinctive unit symbols or crest is at the rock pile, vicinity, the Main Gate, Fort Irwin (grid 11S NJ23009575). The Fort Irwin, installation G3 must approve all requests to paint or alter rock formations at the rock pile.

f. Rotational units will observe all restrictions related to the California Desert Tortoise and any other endangered or threatened species.

G-13. Communication Support

a. The Directorate of Information Management (DOIM), Fort Irwin furnishes the following information systems support. These offices may be reached by dialing DSN 470 or Commercial (760) 380 and listed extensions:

<u>Support Provided</u>	<u>POC/Phone Number</u>
Automation	C, OSID/4484
Postal	C, OSID-ADMIN/4372
Publications	C, OSID-ADMIN/4372
Copier support	C, OSID-ADMIN/4372
Telecommunications center	C, OSID-TCC/3010
Facsimile	C, OSID-TCC/3734
Information systems/ communications planning	C, RMP/3625

b. NTC mails a Signal Operating Procedure (SOP) information packet to the appropriate brigade signal officers 180 days prior to unit arrival. The rotational unit signal officer will submit a requirements list not later than C-90. The Rotation Support Branch-Spectrum Management will provide a draft SOI for review at C-60. Rotational unit signal officers will provide comments NLT C-30. Completed SOIs will be issued to the unit signal officer on C+1 (Issue Day 1). The SOIs will be returned to the Rotation Support Branch-Spectrum Management at C+28.

G-14. Personnel

- a. Preparation for movement. Commanders will ensure that soldiers are prepared for movement IAW DAPE-MPS message 181744Z May 87.
- b. Headquarters, FORSCOM, will not normally support stabilization of personnel for NTC training. If fully justified, training units will forward individual or group stabilization requests Commander, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFAG-PRE, Fort McPherson, GA 30330-1062, for consideration. Commanders may also, as an exception to policy, submit operational deletion/deferment requests if exceptional conditions exist. Submit operational dele-

tion/deferment requests to PERSCOM in accordance with AR 600-8-11.

c. Report serious incidents to the Fort Irwin Emergency Operations Center, extension 3750/5373. The NTC in turn will notify Headquarters, Forces Command, 1777 Hardee Avenue, SW., ATTN: FOC, Fort McPherson, GA 30330-1062, DSN 367-5222. In the event of a casualty, ensure the casualty area command is notified.

G-15. Finance Support

a. General.

(1) The Defense Accounting Officer-Fort Irwin (DAO) will not process routine pay inquiries for individuals assigned to units training at the NTC. Coordination will be made with the home station finance office to handle pay inquiries.

(2) If units desire support, coordinate with the DAO-Fort Irwin at least one month prior to arrival at the NTC.

(3) It is recommended that brigade size units deploying to NTC include a finance team. These personnel will handle all pay inquiries for soldiers deployed to the NTC.

(4) Units will provide logistical support to any finance element that may accompany the training units (e.g., billeting, rations, transportation). The DAO-Fort Irwin will provide administrative support, such as access to the Joint Service Software (JSS) System, electronic mail and telephonic communications, office/working space, and any other liaison assistance necessary.

(5) A finance support team can provide rotational units with emergency payments, leave and earnings statements, and a point of contact for the finance office at home station. Necessary payments will be authorized by the finance support team and made by the DAO-Fort Irwin. There is no requirement for the finance support team to operate a cash operation. All required payments will be made by DAO-Fort Irwin.

(6) The DAO-Fort Irwin will not cash personal checks for service members assigned to units training at the NTC.

b. Class A Agents.

(1) Rotational units that require Class A Agents will provide copies of orders to the DAO-Fort Irwin upon arrival at the NTC. Agents will be appointed and funding (Treasury Checks) will be received from the servicing Finance Office. The DAO-Fort Irwin will cash the checks to provide funding for the Class A Agents.

(2) If funding is required over payday, rotational units will provide funding requirements to the DAO-Fort Irwin 14-days before payday. Historically, units use \$3,000 to \$5,000 maximum.

Realistic funding requirements should be requested from the DAO-Fort Irwin to preclude the account from exceeding cash holding authority.

(3) Before reporting to the DAO-Fort Irwin, Class A Agents will know the contents of FM 14-7, **Appendix D**, Class A Agent Officers.

(4) Coordination for receipt and turn-in of cash will be between the Class A Agent and the Disbursing Officer, DAO-Fort Irwin.

(5) To draw funds, each Class A Agent must report to the DAO-Fort Irwin with the following items:

(a) Class A Agent appointment orders.

(b) DD Form 2A (Identification Card).

(c) Armed guard (remains outside the Finance Office).

G-16. Public Affairs

a. Responsibilities.

(1) The NTC Public Affairs (PA) Office.

(a) Serves as the overall coordinator for PA activities at the NTC.

(b) Provides assistance to training unit and visiting PAOs within capabilities.

(c) Establishes ground rules for all visiting PAO and media.

(d) Conducts Media on the Battlefield exercises for training units in accordance with guidance from the Office of the Chief for Public Affairs for the Army (OCPA), the Secretary of the Army Public Affairs Proponent Activity (SAPA-PA), and Forces Command Public Affairs Office. The NTC PAO and the Media on the Battlefield Training Officer will evaluate media on the battlefield training and provide written recommendations to improve training for unit PAOs, PADs and rotational unit commanders.

(2) Training unit PAO.

(a) Provide, on site at the NTC, PA personnel to conduct PA activities.

(b) Establish a PA plan for the conduct of PA activities at the NTC.

(c) Conduct command information, media relations, and community relations programs as required while at the NTC.

(d) Respond to PA requirements as coordinated and requested by the NTC PAO.

(e) Designate a PA POC at least 60 days in advance of arriving at the NTC. The PA POC will report to the NTC PAO upon arrival for coordination at Bldg 983.

(f) Unit PAO POC will maintain contact with the NTC PA office throughout the training period.

b. Procedures.

(1) General. Training unit PAO will function independently in a tactical field environment. The NTC PAO provides limited assistance.

(2) Command information.

(a) The publication and distribution of unit newspapers, newsletters, etc., during the NTC rotation is encouraged but must be accomplished within training unit resources.

(b) Local procurement for production of unit newspapers, newsletters, etc., is available if the training unit coordinates through the unit's contracting office at least 180 days prior to the rotation dates. The nearest local reproduction facilities are located 40 miles from Fort Irwin and unit transportation is required.

(c) Photographic processing is available at the NTC Training Support Center (TSC). Units desiring to retain negatives must execute a memorandum with home station TSC stating the negatives will be retained in files of the home station TSC.

(d) Local, regional, or national level newspapers are available for purchase by contract if funded by the training unit. Advance coordination with the unit's contracting office is required. Units may use the NTC PA office as a delivery point.

(3) Media relations.

(a) Media activity will not interfere with the training exercise. Final approval authority of all media visits, whether local, regional, or national rests with the NTC Commander.

(b) All requests for media visits to the NTC will be submitted to Commander, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFCS-PAM, Fort McPherson, GA 30330-1062, with information copy provided to FORSCOM, AFOP-OT, and Cdr, NTC, ATTN: AFZJ-PO-MR. Requests must be submitted 60-days (preferably 90-days) prior to the start of training.

(c) The training unit PA representative will escort unit-hosted media. The NTC PA office must provide an orientation and ground rules briefing for all media personnel prior to any activity on the installation.

(d) Unit-hosted media must coordinate briefings and/or orientations on the NTC, instrumentation, OPFOR, O/Cs, etc., with NTC PAO.

(e) Transportation for unit-hosted visits is a unit responsibility. Media personnel accompanying units must maintain a tactical profile and adhere to all field and tactical procedures.

(f) Unit must provide all logistical support for media at the NTC to include sleeping gear, transportation, messing, protective masks, subdued clothing, helmet, etc.

(g) The NTC PAO office will clear all unit-developed external news releases. The NTC PAO will respond to all media inquiries covering accidents/incidents at the NTC. Units will respond to NTC PAO inquiries as rapidly as possible.

(4) Community relations.

(a) No unit program is normally required beyond efforts to prevent disorderly conduct during transport.

(b) Community relations programs at the NTC are the responsibility of the NTC PAO.

(5) Media on the Battlefield Training.

(a) The NTC PA Office will:

1 Provide the training unit PA office an advance packet of information on Media on the Battlefield at least 60 days in advance of training.

2 Provide media personnel (real or role-players) for the rotation.

3 Coordinate with Operations Group for interviews with commanders and soldiers.

4 Provide after action reviews, video tape of the interviews, and articles written about the interview which will be included in the take home package provided by Operations Group.

(b) The training unit PA will assist the NTC PA office in gathering feedback from unit commander and soldiers to enhance the effectiveness of Media on the Battlefield Training.

(6) Administrative support.

(a) The NTC has limited on-post facilities to house visitors. Use of on-post temporary housing facilities is limited to a 1-2 night stay, and cannot be guaranteed. Prior coordination is required. The NTC can arrange off-post quarters for visiting media.

(b) The NTC PA office has limited administrative space and support available to training units. The NTC PA office will act as a message center for PA matters, but unit representatives must check in daily.

(c) No administrative transportation or tactical vehicle support is available. Unit PAOs should bring a tactical vehicle with radio to support transportation requirements.

(d) Unit PAOs must coordinate all administrative support requirements with NTC PAO at least 30-days prior to arrival at the NTC.

G-17. Police of the Training Area

a. The rotational unit conducts police of the maneuver area following training to restore the desert to its original condition. Vehicle/soldier fighting positions must be filled, obstacles torn down, POL spills cleaned, and assorted debris removed. Range Control inspectors are available to assist the police effort; however, they do not direct the details. This is a chain of command responsibility. The unit determines the amount of assistance required from range inspectors. The range inspectors are contracted personnel and normal work hours are 0800-1630 each day. At the unit commander's discretion, the range inspectors will work overtime. Upon arrival the unit

can process a request with fund cite code to the NTC G3, Training Support Division, Bldg 496.

b. The police mission is significant in scope. Under normal conditions units can expect to begin on regeneration day 1 and be completed around regeneration day 4 or 5. Work details meet at range control with equipment at 0600 each day and work until 1800. In the past, units that have failed to place proper emphasis on clearance procedures have been delayed in redeployment and incurred unanticipated costs.

c. On C-3 the rotational unit leaders receive a safety briefing at 1300 hours and at 1330 hours the command sergeant major and his representatives receive the rotational police briefing. The briefings are conducted at Range Control (Bldg 6100). The intended audience for the safety brief is officers (LT-MAJ) and senior NCOs (SFC-CSM). The goal is to disseminate information to the lowest level. The intended audience for the rotational police briefing is the CSM and those NCOs that will execute the police mission.

d. Recommended organization and resource requirements:

(1) Maneuver Area Police: (total requirements for 5 details)

	<u>Personnel</u>
1	brigade NCOIC with 1 assistant EM
5	detail NCOs
25	truck NCOs
10	medic's/combat lifesaver
410	personnel
25	truck drivers
6	HMMWV drivers (1 BDE NCOIC, 5 detail NCO's)
5	S&P drivers
5	HEMTT drivers
3-5	EOD Team
	<u>Equipment</u>
6 ea	HMMWV with radios
25 ea	Truck, cargo 2.5 ton or 5 ton
5 ea	Truck, S&P (NTC provides)
5 ea	Truck, Cargo 10 ton (HEMTT)
5 ea	Trailer, water 400 gals

(2) Landfill Detail:

	<u>Personnel</u>
1	NCOIC
20	personnel
	<u>Equipment</u>
1 ea	Truck, cargo 2.5 ton or 5 ton
1	radio

(3) Class IV Yard detail:

	<u>Personnel</u>
1	NCOIC
10	personnel
	<u>Equipment</u>
1 ea	radio
1 ea	Truck, cargo 2.5 ton or 5 ton

(4) Engineer detail:

Personnel- determined by unit commander.

Equipment- The following is recommended and contingent upon unit equipment authorizations.

6 ea	ACEs or 3 dozers
6 ea	SEEs
10 ea	Truck, dump 5 ton
	radios (as required)

(5) Mission Support:

Personnel- determined by unit commander.

	<u>Equipment</u>
1 ea	Truck, Fuel
	10 ton (HEMTT)
1 ea	Truck, wrecker
	10 ton (HEMTT)
2 ea	Helicopter

(6) Aviation Range Police Support Aviation support is required as part of the Fort Irwin range police effort for units to clear the installation. Units will project flight hours for this mission. The NTC will provide a flight hour estimate to the unit.

e. The rotational unit will receive additional information in the 180-Day Rotational Packet. Telephonic coordination concerning rotational police requirements should be directed to G3/DPTMSEC, ATTN: AFZJ-PTT (Chief, G3/Training Division, DSN 470-4520/3877).

G-18. Resource Management

The Directorate of Resource Management (DRM) - Fort Irwin, Program and Budget Execution Branch, (ATTN: AFZJ-RMB; DSN 470-3298/4024) serves as the overall POC/coordinator for funding support and services provided by the below directorates at Fort Irwin:

- Material Management Center (NTC MMC).
- Directorate of Contracting (DOC) for contractual requirements such as local purchase supplies and services.
- Directorate of Information Management (DOIM) for communications support.
- Directorate of Public Works (DPW) for environmental issues and real property.
- NTC G3.

G-19. Contracting Support

a. Contracting technical support for rotational units will be provided by the Fort Irwin Directorate of Contracting (DOC). Training units should deploy with a contingency contracting officer CCO (a major or captain, functional area 97). This officer will collocate with the DOC and support the purchasing and contracting requirements generated by the rotational unit.

b. The unit contracting officer (CCO) should contact the Fort Irwin DOC 30 days prior to arrival and should deploy with the advance party. He should remain at Fort Irwin until all rotational unit

contracting actions are completed and the the unit is cleared from the installation.

c. The unit will not contract any action or purchase that can be executed with a unit commerical credit card. Unit CCO will monitor all unit actions.

G-20. Signal Support

a. The NTC G3, Spectrum Management Division, Fort Irwin furnishes the following support. These offices may be reached by dialing DSN 470 or commercial (760) 380 and the below listed extension:

<u>Support Provided</u>	<u>Number</u>
Frequency Management	3280
Rotational Communication Coordination and Signal Operating Instructions	3043
Engineer, Analysis & Testing	4898/ 3312
Radio Frequency Interference	3281

b. The NTC Spectrum Manager will e-mail and distribute the rotational Signal Operating Instructions (SOI) infomation packet to the appropriate brigade signal officer and frequency manager 180 days prior to the unit arrival.

APPENDIX H

Logistics Operations

H-1. General

a. The NTC will provide logistical support to training units *IAW NTC External Logistics SOP*. Units will deploy with combat service support (CSS) and Division Support Command (DISCOM) units to support LFT and FFT. The DISCOM personnel will pick up all bulk rations, supplies, and equipment from appropriate NTC facilities and move them to the brigade trains for further distribution IAW unit SOPs.

b. Units coordinate logistical support with the NTC staff and the Operations Group Logistics Training Team and observe an equipment issue during their Leader Training Program (LTP) prior to the rotation.

H-2. Class I

a. The NTC Troop Issue Subsistence Activity (TISA) operates under the Army Field Feeding System (AFFS) for all rotational units. The TISA provides subsistence based upon the planned feeding cycle and projected strength forwarded by the rotational unit to the TISA 90 days prior their arrival. The training unit must verify the headcount telephonically by C-30,

b. Logistical planners should complete requirements identified in AR 30-21, The Army Field Feeding System (AFFS), **Appendix B**, paragraph B-2 and B-3. Planners should balance the use of both T-rations and MREs during field training.

c. The NTC TISA requisitions, receives, and issues field training rations in established cycle sequence. The planned feeding cycle/ration mix (by meal, by day) cannot be changed, primarily due to subsistence supply constraints.

d. The NTC TISA External SOP outlines responsibilities, policies and procedures. The TISA office may be reached at DSN 470-3998/4763.

H-3. Class II

a. Limited Class II Common Table of Allowance (CTA) 50-900 will be available for DX on an emergency basis to meet safety, health, and welfare requirements.

b. The Clothing Sales Store can provide limited items and is available to training units.

c. The SSSC type items will be provided through GSA drop shipment program. A one time issue will be given to the rotation. Units must submit requirements 90 days prior to their rotation.

H-4. Class III

The NTC operates a bulk POL facility at bldg 7701, located on Ammo Supply Point Road, and a temporary retail facility at bldg 950, located at the corner of Langford Lake Road and South Loop Road, and a bulk JP-8 Point bldg 6002, at Bike Lake Army Airfield. The Installation Supply Support Activity (ISSA) will issue packaged Class III in a "push package" (listed in the ISSA SOP) at the issue point, bldg 934, with physical storage of the supplies located in the storage annex yard. Units will forecast additional Class III packaged items over and above the push package to be used for the unique equipment brought from home station at least 60-days prior to the rotation. Listing of Class III products that will be brought from home station will be provided to Supply Division at the same time the push package is forecasted. This list will be reviewed by the Directorate of Public Works (DPW), Environmental Division to ensure that the training unit is in compliance with California and OSHA requirements on unauthorized Class III (P) products not approved for use in the State of California.

H-5. Class IV

The ISSA will issue barrier material, listed as part of the push package in the ISSA SOP, at the DSA. Items required, that are not listed on the push package, must be brought from home station.

H-6. Class V

a. The NTC ASP will requisition, receive, store, and issue all Class V conventional ammunition for rotational brigades based on DA Pam 350-38 rotation-specific ammunition authorizations.

b. Training units will submit a valid DA Form 1687, Notice of Delegation of Authority - Receipt for Supplies, to the ASP 72 hours before the issue of any ammunition.

c. Three separate DA Form 581, Request For Issue And Turn-In Of Ammunition must be prepared to draw the NTC ammunition packet. One is for force-on-force ammunition, one is for live-fire ammunition and one is for system screening or zero. Rotational ammunition is pre-selected and drawn in one draw. The DA Form 581s must be sent to the Commander, National Training Center and Fort Irwin, ATTN: AFZJ-PTC, Fort Irwin, CA 92310-5102 at least 120-days prior to the training dates. Units will provide all personnel to load and block ammunition on the using unit's vehicles. Rotational

units will provide at least 20 personnel and one SSG or above to process the issue and turn-in of ammunition (new and unused).

d. Units will draw their entire class V supply prior to the start of training and establish an ammunition transfer point (ATP) and field ammunition supply point (FASP) to support the exercise. The division/brigade ammunition officer or warrant officer will supervise this activity. All ammunition, simulators, and replicated ammunition will be transported and handled as if it was the actual round or missile after it has entered the FASP, shipped to the ATP, and when issued to the using unit at the FASP or ATP, (i.e., cube/weights applies to all forms of paper ammunition and simulators).

e. Units will draw the M20 practice mines (K230/K231) and practice hand grenades (G811) from the ASP using DA Form 581. Rotational units will be charged for all dummy, drill, and inert (DDI) items not returned to the ASP. (DA Form 5811-R Lost or Damaged Class V Ammunition Items, initiated by units for purpose of residue shortages will be signed by the first O-5 [LTC] in the unit chain of command).

f. Rotational training ammunition is furnished by the NTC IAW DA Pam 350-38. Additional ammunition desired for use during rotation must be forecasted 120 days in advance to ensure sufficient supply is available. Expenditures above NTC provided authorizations will be charged against the home station account. The rotational training ammunition packet is sent to division G3s at the beginning of the fiscal year and updated in the 180-Day Rotational Packet. The heavy brigade for heavy/light rotations must furnish ammunition information to their associated light unit.

g. Dragon and Stinger missiles must be ordered from MICOM by the training unit and drop shipped to the NTC ASP prior to training dates. These items must be requested on a separate DA Form 581, through Commander, National Training Center and Fort Irwin, ATTN: AFZJ-PTT, Fort Irwin, CA 92310-5000. These items are charged to the unit's home station training ammunition authorization account.

h. Additional requirements for TOW missiles must be ordered from MICOM by the training unit and drop shipped to the NTC ASP in the same manner as Dragon missiles. These are also charged to the unit's home station training ammunition authorization account.

i. Training ammunition will not be shipped to the NTC (except missiles). Forecast ammunition 120 days in advance, so that the Fort Irwin ASP will have sufficient time to order and receive it.

j. Units desiring to train before/after rotation must have an approved range request, and training ammunition must be forecasted 120-days prior to the requested training dates. A separate DA Form 581, with the unit's UIC will be necessary. This ammunition is charged to the unit's home station training ammunition authorization account.

k. Coordination between the rotational unit and NTC G3, Training Support Division must be done by the installation G3/Training Ammunition Manager utilizing TAMIS (VIP 067).

l. The NTC QASAS personnel are the sole individual at the ASP authorized to make the determine that damage to live ammunition is from other than fair wear and tear (FWT).

H-7. Class VI

Limited Post Exchange (PX), health, and welfare items are available at the issue and regeneration area at unit request through the PX manager's office. Training unit personnel may use NTC facilities.

H-8. Class VII

The NTC Material Management Center, Equipment Support Division, will issue Class VII combat and selected tactical items from the Prepositioned Fleet.

H-9. Class VIII

Units will deploy with 15-30 days of medical and dental supplies. Units will deploy with all authorized Medical Equipment Sets (MES), to include the U.S. Army Readiness (USARRED) Drug Set IAW FORSCOM Regulation 700-2. A one time issue of expendable medical supplies will be issued to the training unit. Units must coordinate with NTC Installation Medical Supply Office (IMSO) 90-days prior to rotation. Note: "R" and "Q" items (controlled substances) will not be available. Only emergency supply requisitions that have been approved by a physician or physician's assistant will be processed by IMSO. Units must coordinate any additional support requirements 90 days in advance of deployment with the NTC Medical Activity (MEDDAC) and Dental Activity (DENTAC) commanders. Normally, only emergency supply requisitions will be approved.

H-10. Class IX

a. Training units will draw unit PLL from the BASOPS contractor (Bldg 808) at the NTC. Unit PLLs are uploaded in PLL containers with bulk items (e.g., tires, road wheels) stacked loose on a pallet. The BASOPS contractor will issue already loaded ASL in repair parts semi-trailer vans. The unit must provide prime movers (5-ton tractor trucks). Training units must provide a minimum of 5 semi-trailers to haul bulk ASL and bulk Repairable Exchange Activity (RXA) items issued to FSB as part of forward ASL.

b. The NTC Rotational Self-service Supply Activity will provide Class IX support to rotation training units.

c. The aviation maintenance organization accompanying the training unit must bring appropriate aviation unit maintenance (AVUM)/aviation intermediate maintenance (AVIM) repair parts, packaged POL, and required unit equipment.

H-11. Movement/Transportation

a. Units will conduct movements IAW current FORSCOM regulations and follow guidance in the NTC Movement Control Center (MCC) SOP included in the pre-deployment package. Units must submit requests for deviation from the NTC MCC SOP 90-days in advance of deployment. Final coordination for transportation deployment will be done NLT 14-days prior to unit deployment to the NTC.

b. Units will coordinate all surface moves requiring commercial carriers (e.g., trucks and rail moves) with the Installation Transportation Officer (ITO), Material Movement Section, bldg 565. Units will notify the NTC ITO when equipment is due to arrive by commercial motor carriers with the date of departure and give an estimated date of arrival. Training unit representatives will be present to sign for the equipment upon its arrival at the NTC. After duty hours contact the MCC at DSN 470-4159, commercial (619) 380-4159 (this number will only be manned during deployment and redeployment) or the NTC Emergency Operations Center (EOC at DSN 470-3750/5373 or COMM (760) 380-3750/5373).

c. A limited number of Transportation Motor Pool (TMP) vehicles are available at the NTC. Fully justified requirements for TMP vehicles will be submitted to the NTC ITO at least 90-days before date of intended use. An administrative vehicle package will be provided to the unit on arrival. Details on the package are included in the MCC SOP.

d. Unless contracted for commercial haul, tracked vehicles are driven cross country from the Manix railhead to the NTC (approximately 27 miles). A MCC guide will be provided for the first tank trail

convoy to ensure that no vehicles stray off the leased right of way. Units must provide escorts for the remainder of unit convoys. Units should plan for security, Class I and III, contact maintenance teams, equipment recovery, communications (to Yermo railhead), and facilities for security personnel working the Manix railhead if the Manix Spur is required for rail operations .

e. Wheeled vehicles shipped by rail will be unloaded at the MCLB, Yermo Annex, and driven to the NTC via the desert tank trail. Training unit S4s must coordinate 30 days prior to deployment with the MCC Surface Section at DSN 470-4977/4159 for any oversize/overweight wheeled vehicle moves that will require permits.

f. Immediately upon arrival of the advanced party at the NTC, copies of unit movement orders and emergency travel authorization must be hand carried to the Personal Property, bldg 312. Procedures for emergency travel will be briefed by the lead transportation assistant. After duty hours, orders can be taken to the EOC, bldg 237, Post.

g. The primary airhead for the NTC is Southern California International Airport (SCIA). Military and commercial air flow for unit deployment/redeployment must be confirmed with the Air Section (MCC, DSN 470-4977) 30-days prior to air deployment and at C-5.

h. Soldiers who must remain overnight must be on TDY orders.

i. Use of Manix/I-15 underpass by military vehicles and equipment.

(1) The Manix/I-15 underpass is the only authorized passage point/route for all vehicles moving on the desert trail between the NTC and the Manix Rail siding.

(2) An MCC representative must be present for any move under the underpass. This is a California Department of Transportation requirement that, if not met, could jeopardize use of the underpass for track vehicles and result in increased movement costs, (e.g., commercial transport).

(3) Only one vehicle is authorized passage at any time and maximum speed is 5 miles per hour.

(4) Vehicles will utilize only that portion of the underpass marked as an authorized passage point.

(5) Each vehicle must be ground guided through the underpasses (eastbound and westbound lanes).

(6) The using unit must post a control vehicle with a senior NCO or officer at the entrance and exit to the underpasses when transiting.

(7) The underpass area will not be used during the hours of darkness unless the unit provides lighting as coordinated with the MCC Rail Section.

(8) The MCC is the control authority for releasing convoys moving in either direction between Fort Irwin and the Manix Rail siding.

j. Training units deploying to the NTC by all modes of transportation must adhere to certain inspection procedures prior to loading and unloading equipment. Documentation must be accurate and timely in order to process any damage claim. Inspection forms will be provided by the NTC Transportation Office, DSN 470-3830/3829/3828.

k. The NTC has no material handling equipment (MHE) available for rotational units to off-load their containers (MILVANS/CONEXs) that come in without chassis. Prior coordination for shipping containers must be made as follows:

(1) Unit representative(s) must be at the NTC to accept the shipment.

(2) Unit must provide MHE.

(3) If prior coordination with ITO has not been made, containers without chassis either will be returned to home station or the unit will be directed to unload the contents of their containers at the railhead if the shipment arrives by commercial rail.

(4) Shipping containers from home station will be randomly inspected by DPW, Environmental representatives for unauthorized hazardous material once downloaded at the Rotational Unit Bivouac Area (RUBA, dust bowl). The MMC, Surface will select which shipping containers to be inspected. Unit will provide detail to assist in opening the shipping containers to be inspected by the environmental representatives.

H-12. Maintenance

a. Training unit soldiers will perform operator, organizational, and Direct Support (DS) maintenance on equipment drawn from the NTC prepositioned fleet. Units will return equipment with all deficiencies and shortcomings, through DS level, corrected. The Commander, NTC Theater Support Command, Commander is the approval authority for accepting equipment that is not repaired. Units will not be held over due to back order or waiting arrival of ordered parts. Units will not depart NTC and Fort Irwin without clearing both the Commander, Theater Support Command and HQ, NTC G3 offices. Units will draw and submit oil samples and complete recommendations resulting from oil analysis on equipment drawn from the NTC.

b. Stay-behind maintenance personnel, to include crews, maintenance, and supply support will remain at NTC until all issued equipment is either returned to the NTC MMC in an FMC condition or accepted by the DS or General Support (GS) maintenance units at NTC for repair. It is recommended that units deploy with 100% fill on

maintenance MOSs to expedite equipment regeneration and redeployment timelines. Deploying with less than full maintenance personnel positions will cause rotational maintenance issues and long delays in the regeneration process for the prepositioned fleet. Rotational units must coordinate life support for all stay behind personnel. Redeployment, line haul must be coordinate for all equipment needed to complete the regeneration mission, (i.e. special tools, shop sets, etc.).

c. Medical maintenance support will not be provided to the training unit, except in emergencies.

H-13. Water Points

a. Bulk water is located at the forward water supply point, vicinity NK 312041.

b. Units must chlorinate water obtained from sources other than the forward water supply point IAW FM 21-20.

H-14. MILES Equipment and Maintenance Support

a. The NTC will provide individual MILES equipment only for the troop list units at **Appendices A and F**. Units must come to the NTC with Velcro already affixed to combat vehicle crewman helmets IAW the MILES manual. Blank firing adapters for individual weapons (M16 rifles and machine guns) will not be provided by NTC. All personnel participating as part of the rotation unit (including civilians such as LAO, Red Cross Rep, etc.) will wear individual MILES. The G3 TSD/Operations Group (DSN 470-5092) will determine whether units provide MILES sets from homestation. Units will not bring any MILES in addition to that coordinated with the NTC. The NTC G3 TSD/Operations Group and home station Training Support Center (TSC) for the rotating unit will coordinate additional MILES requirements. Requirements beyond home station TSC capabilities will be identified to FORSCOM DCSOPS Home Station Training Branch. Forward MILES request through channels to Commander, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRS, Fort McPherson, GA 30330 1062, by C-90. Aviation units must bring controller green keys from home station or coordinate the issue of green keys with the DCS.

b. Training units will submit a valid DA Form 1687 (Notice of Delegation of Authority, Receipt for Supplies) to the MILES warehouse 72 hours before issue of MILES (C+4).

c. The NTC will issue tracked vehicles with vehicular MILES already installed.

d. The NTC will provide and install MILES equipment only on the home station tracked vehicles required to participate in training. Home station

tracked vehicles must come to the NTC with Velcro already installed IAW the MILES manual. Mobile Independent Target System (MITS) will be requested and provided for installation on individual fighting positions.

e. The O/Cs will coordinate for MILES contact team support for training units. The MILES contact team will troubleshoot and replace unserviceable MILES components during training. The NTC will provide additional contact teams for light units. At the discretion of the training unit commanders, home station MILES warehouse and maintenance support personnel may accompany the unit to the NTC.

f. Air Ground Engagement System (AGES II - PROTOTYPE) and ADA MILES equipment has been fielded at the NTC (less LineBacker). All rotary wing aircraft operating forward of the brigade rear boundary will be equipped with a fully functional MILES system. Air Ground Engagement System (AGES) and Air Defense MILES equipment is available for use at the NTC. Army Aviation units must bring aircraft support equipment from home station. All fixed wing aircraft are equipped with an AIS Pod which allows tracking but currently does not allow ground-to-air or air-to-ground engagements. Ground-to-air and air-to-ground engagements involving fixed wing aircraft are adjudicated IAW NTC ROE.

g. The HMMWV family of vehicles armed with primary weapons systems (e.g., TOW, MKI9, etc.) will be outfitted with either M113 MILES kits or, when available, MITS.

H-15. Training Support Center Services

a. Training units can establish temporary accounts, only for the specific support service listed below, by providing a DA Form 1687 to the Training Support Division, bldg 496.

b. The TSC support available for rotational training units:

(1) **Deleted.**

(2) Loan of training devices: Training Mine Concrete NTC DVC 0207 Detector Unit Chemical Agent Automatic Alarm for use with M43A1

Chemical Agent Detector, Volcano Reloads DVC 05-0230, MICLIC NTC DVC 0222, Bangalore Torpedo Kit NTC DVC 0013, Cratering Charge NTC DVC 0175, 15 Lbs Shape Charge NTC DVC 0174, 40 Lbs Shape Charge NTC DVC 0173, TNT/C4 Block NTC DVC 0151, Demo Items NTC DVC 0176, Terrain Mortars NTC DVC 0185.

(3) The GTA issues.

(4) Other TSC services coordinated and approved by the NTC Training Support Division, DSN 470-3882.

c. Weighted Training Mines (Training Mine Concrete NTC DVC 0207).

(1) Unit will request issue NLT 24 hours prior to pickup.

(2) Unit will provide a five man detail to assist in inspection and uploading of the weighted training mine on the day of issue. The mines with accessories are packaged 4 to a box, weigh approximately 55 pounds per box and are palletized to expedite issue. Units will provide all transportation required to draw the training mines. The issue of 5,000 mines can be completed in 4 to 6 hours.

(3) The unit will provide a 15-man detail to inspect and account for mines following training. Damaged and lost mines will be surveyed. Turn-in of 5,000 mines can be completed in 8 to 16 hours.

d. Unit requests for non-routine training items, such as the mock ammunition basic loads, should be submitted to TSC by C-45.

(1) Unit will request issue NLT 24 hours prior to pickup.

(2) Unit will provide five man detail to assist in inspection and uploading of basic load. The majority of the items are loaded on banded pallets. Units will provide all transportation required to draw the basic load.

(3) The unit will provide a ten man detail to inspect and repair the basic load following training. Damaged items not repaired by the unit will be surveyed. Turn-in of ammunition basic load containers can be completed in 16 - 24 hours.

APPENDIX I

Unit Planning and Training Sequence

Planning milestones (planning days) are based on standard deployment terminology. The D-day notes and comments are for generic planning and resourcing needs only. Please see the NTC Orientation Briefing Schedule (OBS) for the specific rotational meeting schedule and other events.

C - DAY is the day which deployment begins. For the purposes of NTC rotations, this is the rotation inclusive start date.

D - DAY is the day combat operations commence. This is designated as the training start date (first day of 14-day cycle).

N - DAY is the day the rotational unit is notified for deployment or redeployment.

R - DAY is the day rotational unit commences redeployment.

Time Event

N-Day

C-360 - Initial NTC preparation begins AC units. For NGB Sep Bdes the initial coordination begins at 720-days.
- Dual Base Brigade rotation mission letters and troop lists with exception due to HQ FORSCOM, ATTN: AFOP-TRC.

C-270 - The NTC provides seasonal safety hazard information.
- The NTC provides RC training unit with a pre-deployment package containing NTC regulations, SOPs, memorandums of instruction (MOIs), etc. (para G-1).
- The Unit begins drafting and coordination of Troop list and Mission Request Letter as defined in Chapter 3. (Brigade/regiment training objectives, METL, critical tasks, proposed task)

C-210 - Corps provides proposed Unit Troop list, troop list exceptions, training objectives and Mission Request Letter with Corps cover letter as defined in Chapter 3 due to Commander, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062 and information copy to HQ NTC G3; IAW para 2-6, Chapter 3 and A-1. (Brigade/regiment training objectives, METL, critical tasks, proposed tasks)

C-180 - Crew-served weapons qualifications (para 1-5).
- Tank crew/platoon qualification (para 1-5).
- Unit coordinates local procurement for production of unit newspaper, newsletter, etc., through unit contracting office (para G-16).
- Individual or group stabilization requests submitted (para G-14).
- The NTC provides AC training unit with a pre-deployment package containing applicable NTC regulations, SOPs, MOIs, and projected vehicle availability (para 3-3 and 3-5).
- Attack Helicopter qualification and gunnery (para 1-5).
- Corps submits request for additional training resources to FORSCOM (para 3-2).
- Platoon Level Live Fire Exercise (para 1-5).
- Brigade Fire Coordination Exercise to Platoon Leader Level (para 1-5).
- Safety related areas incorporated into unit training (para P-1).
- The NTC sends signal information packet to brigade/regiment (para G-20).
- Brigade/regiment provides initial draft of Rotational Unit Worksheet (**Appendix E-2**).

C-140 - The NTC provide rotational Support comments to Commander, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062 for FORSCOM C of S approval.

C-120 - Forces Command provides approval of troop list and rotation exceptions.
- Organization with cross attachments, support units, and tactical SOP are submitted to the NTC (para 3-6).
- The NTC determines O/C shortfalls and notifies TRADOC and FORSCOM as appropriate to receive augmentation. The NTC updates this list every 15-days (para 3-2).
- The LTP conducted (**Appendix B**).
- Division Cdr/ADC(M) approve proposed rotation scenario (during LTP).

- Brigade/regiment provides updated Rotational Unit Worksheet (**Appendix E-2**).
 - DOIM - Fort Irwin provides information packet to brigade signal officer (para G-13).
 - Augmentation unit ammunition transfer submitted to NTC (para H-6).
- C-90**
- MILES equipment train-up at home station (C-90 thru C-60) (para 1-5).
 - TISA request to NTC (para H-2).
 - Unit submits media visit requests to FORSCOM (para G-16).
 - Unit notifies NTC Safety Office of Rotational Safety Officer (para P-1).
 - MILES support approved/coordinated (para H-14).
 - Other TSC services coordinated and approved (para H-14).
 - NTC MMC Equipment/Rotation Branch provides an updated prepositioned equipment authorization list (PEAL).
- C-60**
- Bulk and package Class III forecast to NTC NTC MMC-Fort Irwin (para H-4).
 - Class II, push package request to NTC MMC-Fort Irwin (para 3-4).
 - Class IV forecast to NTC MMC-Fort Irwin (para H-5).
 - TMP vehicle request, as required (para H-11).
 - Unit sends DD Form 448 to DRM-Fort Irwin (para 3-4).
 - Unit sends fund cite to NTC MCC Fort Irwin for commercial buses (para 3-4).
 - Unit sends fund cite to NTC MMC-Transportation Fort Irwin for baggage (para 3-4).
 - Unit designates PAO point of contact (para G-16).
 - Division Surgeon's Office forwards Credentialing Packet to NTC MEDDAC (para G-4).
 - Unit's DENTAC Commander request courtesy privileges to NTC DENTAC (para G-5).
 - Unit submits request for deviations from NTC MMC MCC Fort Irwin, MCC SOP (para H-11).
 - Rotational Safety Officer coordinates with NTC Safety Office (para P-1).
 - NTC provides final vehicle availability list to unit (para 3-5).
 - Unit coordination with MCC (para H-11).
 - Fog oil request to NTC.
- Unit notify NTC of unit distinguished visitors (para 3-10).
- C-54**
- Unit provides NTC MMC with equipment assignment list (para 3-5).
 - Unit provides NTC MMC with requested initial grid for equipment draw.
- C-45**
- Corps provides by-name list of O/C augmentees to NTC (para 2-6).
 - The TRADOC provides by-name list of O/C augmentees to NTC (para 2-2).
 - Non-routine requests to TSC (para H-15).
- C-30**
- The NTC provides draft orientation briefing schedule (OBS) to unit. Final OBS will be provided at D-8.
 - Augmentee O/Cs requiring train-up arrive at NTC (para 3-2).
 - Telephonic verification of TISA requirements for adjusted head count (para H-2).
 - Unit coordination follow-up with MCC to include over-size/overweight wheeled vehicles that may **require** permits (para H-11).
 - Unit confirms deployment/redeployment schedule with NTC MMC, MCC (para H-11).
 - Unit coordinates with DAO Fort Irwin for finance support (para G-15).
 - Unit coordinates with NTC Staff Weather Officer on concept of support (para D-1).
 - Unit PAO coordinates with NTC PAO (para G-16).
 - Unit coordination with NTC MEDDAC (para G-4).
 - Unit coordination with NTC DENTAC (para G-5).
 - Rotational unit signal officer coordination with 52d Div (Mech) CESO on radio retrans and relay sites.
 - DA Form 581s submitted to NTC, G3, Training Division (para H-6).
 - Unit provides NTC MMC with final grid for equipment draw.
- C-29**
- Unit provides NTC MMC 21 day storage list.
- C-15**
- Unit coordination with MCC (para H-11).
 - Unit provides Army aviation deployment schedule to NTC, G3, P & O.
- C-2**
- Logistical liaison team arrives at NTC (no more than 5 personnel) (para 3-5).

- C-1**
 - Advance party begins arriving at NTC (not more than 50 personnel).
 - Submit valid DA Form 1687s to ASP, NTC MMC Ammunition Management Div, MILES warehouse, ITT, etc.
- C-DAY**
 - Advance party deployment completed.
 - Turnover of rotational unit bivouac area (RUBA) from outgoing unit.
 - Coordinate with MCC on unit air and rail flow (para H-11).
 - Hand carry movement orders and E-11F emergency travel authorization to passenger travel office, bldg. 565 (para H-11).
 - Telephonic verification of Class I requirements to TISA-Fort Irwin (para H-2).
 - Complete issue of prepositioned equipment.
 - Advance Party Arrives
- D-8**
 - Unit begins Early Draw (Rail loading and dustbowl support equipment only).
 - NTC issues final draft of Orientation Briefing Schedule (OBS). The rotational OBS provides the specific schedule of rotational coordination meetings. This time line provides only a generic schedule for programming and information.
- D-7**
 - Main Body Arrival at NTC.
- D-6**
 - Equipment Inventory begins.
- D-5**
 - (Issue Day 1/RSOI - Monday)
 - SOI issued to unit signal officer by 52d Div Signal Officer (Operations Group)
 - Unit Briefing requirements (See rotational OBS)
 - All OC Augmentees report to Operations Group OC Academy (para 3-2 and 3-16).
 - Rotational Unit Worksheet (RUW)(Draft) submitted to NTC G3, P&O (para 3-2).
- D-4**
 - (Issue Day 2/RSOI - Tuesday)
 - Main body deployment completed.
 - Operations Group in-briefs begin (NTC Orientation Briefing Schedule).
- D-3**
 - (Issue Day 3/RSOI- Wednesday)
 - Division/corps movement order issued (NTC Orientation Briefing Schedule)
 - DTOC augmentees report to Operations Group (para N-5).
 - Live Fire augmentees report to Operations Group (para O-2).
- D-2**
 - Battalion/task force commanders brief respective senior O/Cs on their combat power, vehicle deadline status, significant equipment shortages, tank roller/plow status and Class V issues (para 3-2).
 - Vehicle instrumentation checks begin at Desert Shade outside Blue Fleet Staging Area (NTC Orientation Briefing Schedule).
- D-2**
 - (Issue Day 4/RSOI - Thursday)
 - Division/corps operations order issued (NTC Orientation Briefing Schedule).
 - Rotational brigade commander presents short overview of unit training status covering METL, significant problems or special concerns, techniques of train-up, goals and expectations, and brigade modernization impact/status (para 3-2).
- D-1**
 - (Issue Day 5 -RSOI - Friday)
 - Operations Group in-briefs completed (NTC Orientation Briefing Schedule).
 - Unit (brigade) ministry team (UMT) provides religious support plan (IAW FM 16-1) to the senior UMT O/C prior to move out (NTC ROE).
 - Rotational Unit Worksheet (RUW)(final) submitted to NTC G3, P&O (para 3-2).
 - Unit completes color coding of ATWESS ammunition prior to move out (NTC ROE).
- D-Day**
 - (Move Out Day - Saturday)
- thru**
 - Tactical maneuver training
- D+13**
 - (FFT and LFT).
- D+14**
 - (End of Mission-Saturday)
 - Reconnaissance of police areas (para G-17).
 - Unit download (unit plan).
 - Movement into Fort Irwin cantonment area (unit plan).
- R-4**
 - (Preparation for regeneration - Sunday)
 - Orientation briefing on regeneration (NTC Orientation Briefing Schedule).
 - Final after action reviews (Operations Group Schedule).
 - Range police (para G-17).
- R-3**
 - (Regeneration Day 1 - Monday)
- R-2**
 - (Regeneration Day 2 - Tuesday)
- R-1**
 - (Regeneration Day 3 - Wednesday)

FORSCOM Regulation 350-50-1

R-DAY - (Regeneration Day 4 - Thursday)
- Begin redeployment of main body

R+1 - (Regeneration Day 5 - Friday)
- Complete regeneration of equipment
- Complete redeployment of main body.
- Turnover rotational unit bivouac area to incoming unit.

R+4 - NTC clearance completed by trail party (NTC policy memorandum).

R+14 - NTC Rotation After-Action Survey due to HQ, NTC G3.

R+61 - Unit submits after action report with completed Rotational Unit Worksheet IAW **Appendix E**.
(C+88)

APPENDIX J

Points of Contact (POC) List

J-1. FORSCOM POC:

Commander
Forces Command
1777 Hardee Avenue, SW.
ATTN: AFOP TRC
Fort McPherson, GA 30330-1062
Deputy Chief of Staff for Operations
DSN 367-5489/6150/5409

J-2. TRADOC POC:

Commander
TRADOC
ATTN: ATTG-U/ATTG-RC
Fort Monroe, VA 23651
DSN 680-5681/5711

J-3. NGB POC:

HQDA
ATTN: NGB-ARO-TU
Arlington Hall, VA 22204-1382
DSN 327-9328 or 9314

J-4. ATSC POC:

DIR, DART/NTC
ATTN: ATIC-RT
Fort Eustis VA 23604
DSN 927-2383/2320

J-5. NTC POCs:

G3/NTC:

Commander
NTC, G3
Post Office Box 105100
ATTN: AFZJ-PT
Fort Irwin, CA 92310-5100
DSN 470-5555/3323

Commander
NTC, G3/Plans & Operations
Post Office Box 105101
ATTN: AFZJ-PTO
Fort Irwin, CA 92310-5101
DSN 470-4058/3326, FAX 4058

Commander
NTC
G3/Training Support Division (G3/TSD)
Post Office Box 105102
ATTN: AFZJ-PTC
Fort Irwin, CA 92310-5102
DSN 470-3881, FAX 5556

Commander
NTC G3/Safety
Post Office Box 105102
ATTN: AFZJ-PTC
Fort Irwin, CA 92310-5102
DSN 470-5093

Commander
NTC G3/Aviation
Post Office Box 105084
ATTN: AFZJ-PTA
Fort Irwin, CA 92310-5084
DSN 470-4167/4072

Commander
NTC, G3/Spectrum Management
Post Office Box 105104
ATTN: AFZJ-PTS
Fort Irwin, CA 92310-5104
DSN 470-3280

Commander
NTC, Emergency Operations Center (EOC)
Post Office Box 105101
ATTN: AFZJ-PTO
Fort Irwin, CA 92310-5101
DSN 470-3750/3326, FAX 4788

Theater Support Command:

Commander
Theater Support Command, (TSC)
Post Office Box 105017
ATTN: AFZJ-TSC
Fort Irwin, CA 92310-5017
DSN 470-3335

FORSCOM Regulation 350-50-1

NTC
Support Operations Office
Post Office Box 105017
ATTN: AFZJ-MCX
Fort Irwin, CA 92310-5017
DSN 470-3903

Commander
MMC, Support Operations, Rotation Branch
NTC, MMC
Post Office Box 105106
ATTN: AFZJ-MCX-RB
Fort Irwin, CA 92310-5106
DSN 470-4989/6233/6232/3842

Commander
NTC MMC Materiel Division
Post Office Box 105106
ATTN: AFZJ- MMC
Fort Irwin, CA 92310-5106
DSN 470-3802/3625

MMC Supply Division:

Commander
NTC, MMC Supply Division
Post Office Box 105106
ATTN: AFZJ-MCS
Fort Irwin, CA 92310-515106

MMC, Ammunition Mgt:

Commander
NTC, MMC, Ammunition Management
Post Office Box 105106
ATTN: AFZJ-MCA
Fort Irwin, CA 92310-5106
DSN 470-4000/4256

Movement Control Center (MCC):

Commander
NTC, Movement Control Center
Post Office Box 105106
ATTN: AFZJ-MCT-C
Fort Irwin, CA 92310-5106
DSN: 470-4977

Operations Group:

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NTC
Plans & Operations (Ops Grp/P&O)
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G2

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Director Of Public Works (DPW)
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DPW/Environmental Division:

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Director of Contracting (DOC):

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Commander
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APPENDIX K

Prepositioned Vehicles and Equipment

K-1. Propose. As part of the Reception, Staging, Integration and Onward Movement initiative, the desired endstate of the Prepositioned Equipment Fleet is to replicate an Army War Reserve (AWR) equipment fleet. The only equipment that may be transported to the NTC will be that designated as Not Authorized to Preposition (NAP) and To Accompany Troops (TAT). Comparative rail car support will be authorized/resourced to replicate strategic airlift. Equipment listed below is what is offered a Brigade Combat Team for draw. Amounts of equipment available may fluctuate, depending on operational status and equipment on hand. The unit will be given updates of equipment availability throughout the planning sequence. The NTC MMC will provide this

data to the unit during the planning sequence as part of the battle book.

K-2. Prepositioned Fleet Changes. Forces Command DCSLR is the FORSCOM authority on any changes to the prepositioned fleet. The DCSLR (in coordination with DCSOPS Training) will validate the training requirement and provide instructions to NTC Theater Support Commander. The PREPO fleet TDA document will be updated annually as a joint effort by FORSCOM DCSOPS, DCSLR and NTC Theater Support Commands. The intent is to provide the FORSCOM training community the best available training fleet within affordable resources.

POSTING DATE

04/08/97

FILE: BDEMTOE

LIN	NOUN	ISSUE TOTAL
A70349	NIGHT VIS SIGHT SET	20
B71632	BLADE MINE CLEARING	12
B83002	BED CARGO DEMOUNT (PLS)	48
B90494	BORESIGHTING EQUIP	58
C10908	CARRIER AMMO (FAASV)	18
C10990	CARR MORTAR M1064 120MM	12
C11158	CARRIER ARMORED CMD POST	0
C12155	CARR PERS, FIRE SPT	18
C12815	CARR SMOKE GENERATOR	7
C18234	CARRIER PERSONNEL M113A3	69
C20414	BRIDGE VEH LAUNCH	8
C36151	CRANE WHEEL MTD, 1 1/2T	2
C84541	REFER (SUPPORT EQUIPMENT)	4
C89070	CAMO SCRN SUPPORT SYS	1454
C89085	CAMOUFLAGE SCREEN	0
C89145	CAMO SCREEN, RAD SCAT	1,454
C89213	CAMO SCRN SUPPORT SYS	0
D10741	CARR 107MM MORTAR	0
DI1049	CARR CGO 6TN M548	4
DI1538	CARRIER CMD POST, M577	43
E02395	CHASIS FOR REFER (SUPPORT EQUIP)	0
E56578	CBT ENG VEH	0
F40375	FIGHTING VEH, IFV M2	67
F60530	FIGHTING VEH, CFV M3	0
GI1966	GEN SET, DED SKID	0

LIN	NOUN	ISSUE TOTAL
G12170	GEN SET DED SKID MTD 15KW	0
G18358	GEN SET, SKID MTD 3KW 60HZ	0
G42170	GEN SET DED TM 10	3
G42238	GEN SET DED TM 5K	0
G53778	GEN SET DSL PU-802	0
G54041	GEN ST DSL, 3KW AC SKID	0
H57642	HOWITZER, MED (PALADIN) M109A6	18
J31297	INST KIT MK: 2195 VRC 2.5/5 TON	32
J31569	IK, MK-2325/VRC-87/88/90 IN HMMWV	142
J32997	IK, MK-2564 VRC-97 (MSE)	6
J35492	GEN SET DSL, 15KW AC TM	5
J35813	GEN SET DSL, 5KW AC	9
J35825	GEN SET DSL, 10KW AC SKD	2
J36109	GEN ST DSL ENG; 30KW	3
J36383	GEN SET DSL, 30KW AC TM	3
J47151	IK, MK-2204 VRC87/88/89 INM987/984/988	14
J47457	IK, MK-2326/VRC89/91/92 IN HMMWV	118
J87979	IKM MK-1 531, GSG-1 OV (VFMED)	0
J88547	IK, MK-2565, VRC-97 (MSE)	6
K47021	IK, MK-1832 FOR M577 (BCS)	0
K57667	HOW SELF PROP ML 09A3/A4/A5	0
L28351	KITCHEN FLD TRLR	20
L43664	LAUNCHER BRIDGE, M60 CHASS	8
L67342	LAUNCHER MINE CLEARING (MCLC)	0
L76556	LOADER SCOOP, 2-1/2 CU YD	2
L91701	MG, 50 CAL FIXED	58
L91975	MG, 50 CAL, M-2	148
L92112	MG, 50 CAL, VEH MTD, M-85	0
L92352	MG, 7.62MM, COAX	116
M11046	MARKING SYS MINE FIELD	4
M18157	MOUNTING KIT ROLLER	6
M18225	MOUNTING KIT; CLEARED	4
M68405	MORTAR 120 MILLIMETER	12
M74364	MNT GUN, RING	0
M75577	MT TRIPOD, MG, 50 CAL	69
M92420	MG, 7.62MM FIXED	58
P27819	PWR PLNT 30KW W/DIST BOX MJQ-1	1
P27823	POWER PLANT ELEC; 60KW	0
P28015	POWER PLANT, AN/MJQ-18	1
P28075	POWER PLANT, AN/MJQ-15	1
P42262	PWR PLT DSL TM 10KW AN/MJQ-37	0
P42614	PWR PLT EL TM AN/MJQ-39	0
R11006	ROLLER MINE CLEARING	4
R11154	RAMP LOAD VEH	1
R44863	RADIO SET, VRC-89A SINCGARS	120
R45407	RADIO SET, VRC-92A SINCGARS	83
R50544	RCVY VEH LIGHT, M578	0
R50681	RECOVERY VEH MED, M88	19

FORSCOM Regulation 350-50-1

LIN	NOUN	ISSUE TOTAL
R67160	RADIO SET, VRC-87A SINCGARS	170
R67194	RADIO SET, VRC-88A SINCGARS	194
R67908	RADIO SET VRC-90A SINCGARS	320
R68010	RADIO SET, VRC-91A SINCGARS	29
R83005	RADIO SET PRC-1 19A	5
S09989	SEMITRLR TANK POTABLE WTR, 5000 G	6
S66941	SEARCHLIGHT IR, VSS-3	0
S70027	SEMITRLR CGO 22 1/2T	30
S70517	SEMITRLR LOW BED, 25T	5
S70594	SEMITRLR LOW BED 40 TON 6 WHL	4
S70859	SEMITRLR LOWBED 70 TN	3
S72024	STLR STAKE 12 TN ML 27A2C	0
S73372	SEMITRLR TANK, 5000 GAL	22
S74832	SEMITRLR VAN, 6T	3
S75175	SEMITRLR VAN, 12T	8
T07453	TRUCK UTIL S25	0
T07679	TRK UTIL HV HMMWV 10000 GV	0
Ti3168	TANK COMBAT FULL TRACK M1A1	58
T34437	TRCTR WHEELED, EXC & FRT LDR	3
T38844	TRK AMB, 4 LTTR HMMWV	9
T39518	TRK CGO, 10T HEMMT W/W	6
T39586	TRK CGO, 10T HEMMT MED CR	4
T39654	TRK CGO, MED CRANE M985 W/W	2
T40999	TRUCK CARGO HEAVY (PLS)	3
T41067	TRUCK CARGO, HVY ML 075 (PLS)	18
T48944	TRK LFT FORK, 6K RT AMMO	10
T49119	TRK LFT FORK, 10K RT	2
T49255	TRK LFT FORK, 4K RT	4
T58161	TRK TANK, 2500G HEMMT W/W	4
T59048	TRK, TRACTOR HET 70TN	3
T59278	TRK CGO, 10T HEMMT	20
T61494	TRK UTIL, 5/4T HMMWV	230
T61562	TRK UTIL, 514T W/W HMMWV	24
T63093	TRK WRKR, 10T HEMMT	5
T87243	TRK TANK, FS 2500G HEMMT	24
T91656	TR, TRACTOR, LET M916	4
T92242	TRK UTIL, ARMT 5/4T HMMWV	16
T9231 0	TRK UTIL, ARMT 5/4T W/W HMMWV	11
T93761	TRAILER PALLETIZED (PLS)	3
VI2141	TANK & PUMP UNIT	10
W76816	TRACTOR FT D7 W/W	2
W83529	TRACTOR, TRACK W/BULDOZ W/SCARIF RI	2
W95537	TRLR CGO, 3/4T	22
W95811	TRLR CGO, 1-1/2T	100
W98825	TRLR TANK, WATER 400GAL	40
X40009	TRK CGO, 2-1/2T	112
X40077	TRK CGO, 2 1/2T DS	5
X40146	TRK CGO, 2-1/2T W/W	29

LIN	NOUN	ISSUE TOTAL
X40283	TRK CGO, 2 1/2T XLWB	1
X40794	TRK CGO, 5T DS	47
X40831	TRK CGO, 5 TN 6X	4
X40931	TRK CGO, 5T DS W/W	8
X40968	TRK CGO, 5T LWB	3
X43708	TRK DUMP, 5T	4
X59326	TRK TRACTOR, 5T	59
X59463	TRK TRACTOR, 5T W/W	5
X62237	TRK VAN, EXP 5T	6
X62340	TRK VAN SHOP 2 1/2T	14
X63299	TRK WRKR, 5T	6
Z93144	RECON SYS NUCLEAR BIO CHEM (XM93) (FOX)	1

APPENDIX L

Equipment List for Field Visitation and Subject Matter Experts

L-1. Field Visitation

ITEM

Pistol belt
Canteens
Canteen cup
First aid packet
Suspenders
Protective mask (note 2)
Kevlar helmet with camouflage cover and chin strap
Poncho
Man Worn Laser Device (MWLD) (note 1)
Uniform according to season

L-2. Equipment listing for Subject Matter Experts (SME) (Note3)

LBE (pistol belt, suspenders, two canteens, first aid pouch, ammo belt)
Kevlar helmet with camouflage cover and chin strap
Protective mask
Wet weather gear (top and bottom)
Poncho with liner (optional)
Binoculars, night vision goggles (must hand receipt from units at home station)
Gloves
Rucksack, kit bag, or light bag (with shaving gear/towels/soap)
Sleeping bag
BDUs and soft cap (three sets)
Socks (several pair)
Flashlight
Thermos (optional)
Blanket(s)
Pad for HMMWV seat
Additions for live fire: vest, armored, individual; goggles, ballistic laser protective

NOTE 1: Required if visit is hosted by training unit. If visit is conducted by NTC Protocol MILES and MWLD will not be required

NOTE 2: Required if visit is hosted by training unit. If visit is conducted by NTC Protocol protective equipment will not be required.

NOTE 3: All gear taken to field must fit into one bag (stowed in back of HMMWV). The CALL team at NTC will provide maps and map cases, sleeping cots, dust goggles, sunscreen lotion and chap stick.

APPENDIX M

NTC Scheduling Procedures

M-1. Intent. Meet the CSA objectives for unit rotations to the National Training Center.

M-2. Responsibilities

a. HQ, FORSCOM

(1) Act as the DA executive agent for NTC scheduling.

(2) Develop and maintain rotational scheduling model that fairly allocates available rotations to all using units.

(3) Schedule USARPAC, CONUS based AC units and Reserve Component units following the scheduling model.

(4) Maintain 5 years of schedules, (current year, plus two years of coordinated schedules, plus two years of draft schedules).

(5) Host and conduct annual schedule conference (October) and mid year review (April or May).

b. Corps, NGB and USARPAC.

(1) Attend scheduling conference.

(2) Maintain data on Joint exercises, Division Ready Brigade schedules, BCTP rotations and change of command dates as they pertain to deconflicting NTC rotational scheduling and according to para 1-3 f, General Information.

(3) Act as the scheduling coordinator between FORSCOM DSCOPS NTC schedulers and Division units.

M-3. The scheduling model is based on a two year period of NTC rotations. This equals 20 rotations or 40 Battalion seats available to attend NTC as a bluefor player. All scheduling is done in a Brigade (ROTATIONAL BRIGADE) operational concept. Selected battalions are allowed, according to the

CTC Program, one NTC rotation during a two year period. This two year period is designed to align with the Battalion Cdrs tour of command. No battalion is allowed to attend a CTC rotation twice during a two year period. The two year limitation does not pertain to Bde Cdrs. Each Division is allocated rotations based on the number of assigned ground combat battalions. A nine battalion division is allocated 4 1/2 NTC rotations in a two year period. The Division Cav Squadrons, and Attack Avn Bn are not counted as part of the 4 1/2 rotational allocation. The Light Infantry Bns are added based on the need of Light Force through put for JRTC. The ARNG is allocated one rotation per year, giving an eight year cycle for heavy enhanced separate Bdes.

a. Of the 10 annual NTC rotations, nine are allocated to AC units and one for NGB Enhanced Sep Bde use. The months of March and September are designated as NTC recovery periods, no rotations will be scheduled during these months. The installation recovery period is designed to allow time for prepositioned fleet focused maintenance, range dedudding, Operations Group mobile training teams and 11th ACR home station training. Several rotations per year include additional units above the normal two battalion "vanilla" rotation. These units are Divisional Cavalry Sqdns, Divisional and Corps Attack battalions and light infantry battalions. These add-on units also follow a two year scheduling model, ie; only attending once every two years.

APPENDIX N

Division Tactical Operations Center (DTOC) Augmentation

N-1. General

This appendix provides guidance to *rotational* units on DTOC augmentation at the NTC.

N-2. Philosophy

a. The Operations Group replicates the 52d Mechanized Division that serves as the rotational brigade's higher headquarters. Experience has shown that training for the rotational unit improves significantly when the parent division augments the DTOC with selected personnel.

b. The augmentees provide personnel familiar with the division tactical SOP. They also provide information to the brigade within the scope of the scenario, that the Operations Group is not fully resourced to provide. This aids in training the brigade and division staff.

N-3. Opportunities

Current augmentation positions available are as follows:

<u>Position</u>	<u>Grade Recommended</u>
Tactical Intelligence Officer	03
Order of Battle Technician	WO/E7
Intelligence Analyst	02/03
Assistant G3 Officer	03
Assistant G3 Officer/NCO	02/E7-E8
Airspace Management Element	See F-6
Officer/NCO	03/E7-E8
Chemical Officer/NCO	03/E7-E8
Communications Operators (2 each)	E4-E5
(trained in Div Ops Systems, MCS, TACLAN, etc.)	

N-4. Responsibilities

a. Commander, NTC.

(1) Provide billeting for augmentation personnel.

(2) Provide mess support for augmentation personnel without per diem surcharge rates.

(3) Provide training, guidance, and supervision of augmentation personnel.

b. Commander, training unit division.

(1) Provide transportation to and from NTC for augmentation personnel.

(2) Provide augmentation personnel as desired.

(3) Submit a brief after action report to Cdr, NTC, ATTN: ATXY-PO, Post Office Box 105038, Fort Irwin, CA 92310-5031, NLT 30 days after end of rotation addressing ways to improve the DTOC augmentation training program.

N-5. Administrative instructions

a. Augmentation personnel should arrive 3-days before the first training day and depart 2-days after the last training day.

b. Augmentation personnel should bring sleeping bags and seasonal CTA-50. There is normally an opportunity for the augmentees to observe a battle either with the OPFOR or with an O/C.

APPENDIX O

Live Fire Augmentation Requirements

O-1. General

Training units must provide augmentation personnel to accomplish and support two essential missions. Specifically these are: Live Fire TOC, 52d Mech DTAC fire support element and medical evacuation. Purpose of the augmentation is insuring safety factors are in place during the live fire phase of the rotation.

O-2. Administrative

a. Augmentees for the fire support element should arrive 3 days before the first training day. Departure will not be before 1-day after the last training day.

b. All augmentees must bring sleeping bags and seasonally required CTA-50.

c. The FSE personnel must be supported with all classes of supply by the parent unit.

O-3. FSE Augmentation

a. Personnel.

<u>Personnel Position</u>	<u>Quantity</u>	<u>Grade</u>
Asst. Fire Support Officer	1 ea.	02/03
Fire Support Sergeant	1 ea.	E6/E7
Fire Support Specialist	2 ea.	E3/E4
*Aviation LNO	1 ea.	02/03
*Aviation LNO Driver	1 ea.	E1/E4

* Only when attack helicopters participate in live fire.

b. Equipment.

<u>Fire Support Element</u>	<u>Quantities</u>
CUCV/HMMWV	1 each
w/Radio Mount	
M577 w/VFMED/FED/AFATDS	1 each

RT-524 (FM)	3 each
AN/GRA-39 (Remote)	1 each
TA-312 (Field Phone)	1 set

TACP

CUCV/HMMWV	1 each
Commo Central w/ Remote	1 each

Aviation LNO

CUCV/HMMWV	1 each
RT-524 (FM)	1 each

O-4. Medical Augmentation

a. Medical augmentees and equipment will be under the continuous control of an NTC Combat Trainer in the live fire area. He will control the medical teams deployment to a casualty site and employ it in "real-world" emergencies only. A wheeled evacuation vehicle and crew are necessary in the event aerial evacuation is not possible.

b. Personnel.

Medical Corps Officer (Physician/PA)	1 each
Medic Aidman	1 each
Ambulance Driver	1 each
Wheeled Ground Evacuation Vehicle	1 each

Augmentees should bring medical supplies adequate for immediate stabilization and traumatic injuries.

O-5. Live Fire Police

Each rotational unit will conduct a live fire police as outlined in the Live Fire Training Team rotational information packet. The rotational unit will conduct the police on D+15 or D+16, if not accomplished during the rotation.

APPENDIX P

Safety

P-1. General

a. Commanders are responsible for all aspects of safety. The NTC Regulation 385-10 (NTC Safety Program), NTC Regulation 385-95 (NTC Aviation Accident Prevention Program), and NTC Regulation 350-3 (Range Regulations) contain specific requirements to be used while deployed at the NTC.

b. Commanders will:

(1) Appoint a civilian safety specialist (-018), an officer (O-3 or above), or a USASC qualified aviation safety officer (ASO) as the rotational safety officer (RSO) at least 90 days prior to deployment to the NTC for the following units:

(a) Primary rotational brigade/regimental headquarters.

(b) Separate battalions OPCON or attached to the rotational brigade not belonging to the same division (i.e., armored/light rotation).

(c) Aviation task forces (ATF), regardless of size/composition (must be a USASC qualified ASO).

(d) Separate battalions not OPCON or attached to rotational brigades or OPFOR (e.g., unit playing "host nation" role).

NOTE: Separate units below battalion strength, not OPCON or attached to the rotational brigade, will have their unit safety officer coordinate with the NTC safety office 60-days prior to deployment, upon arrival, and prior to departure.

(2) Provide a tactical vehicle with FM radios(s) (and driver if required) for the RSO's exclusive use (vehicles are not provided by the NTC safety office). Qualifications of the RSO/driver will include map reading, communications discipline, NVGs, blackout drive, MILES, and an understanding of common PMCS requirements for the vehicle issued.

(3) Ensure civilian safety specialists participating in field training wear military uniforms in accordance with AR 670-5, or FORSCOM Regulation 385-1. Wearing of helmets, load bearing equipment (LBE), and MILES is required while in the field. Safety briefings specific to the requirements of the participants duties will be given prior to them being allowed in the field. Billeting arrangements for these personnel are the responsibility of the deploying unit. This may include tactical equipment if personnel will be billeted under field conditions.

(4) Ensure all personnel have received adequate training in the following areas prior to arrival at the NTC:

(a) Convoy operations to include no-light/blackout drive, and rear-end collision prevention.

(b) Desert environment/acclimatization.

(c) Emergency medical evacuation procedures.

(d) Explosive, pyrotechnic, and dud ammunition safety.

(e) Ground guide procedures.

(f) Laser operations.

(g) Map reading and terrain familiarization.

(h) The NVD/NVG training to include blackout drive, convoy operations, light data requirements, tactical environment and operator level maintenance.

(i) Personnel protective equipment: Eye protection/goggles (**NOTE:** Contact lenses cannot be worn during training), hearing protection, gloves, suntan lotion, chap stick, etc. Each soldier should be required to bring essential items with them in adequate quantities.

(j) Operations in reduced visibility (i.e., night/dust/smoke).

(k) Radiation protection.

(l) Risk assessment/management down to and including squad level.

(m) Sleep plans to include marking of areas as required.

(n) Vehicle qualification and licensing.

(o) Vehicle rollover drills.

c. Unit personnel will not discuss accidents with the news media. All such inquiries will be directed to the NTC Public Affairs Office (PAO).

P-2. Rotational Safety Officer (RSO)

The RSO's primary duties will be to monitor unit safety integration and management, investigate accidents/incidents, advise the commander on safety issues, and act as liaison between the NTC safety office and the unit.

a. The RSO will:

(1) Obtain safety brochures and copies of deployment information as soon as possible. Information available should include previous AARs, accident briefs, and information on survival in the desert, PMCS of equipment in the desert, USASC checklist for the NTC, etc. The NTC safety sends new and updated information to installation safety offices that have previously had troops train at the NTC, and to new units scheduled for training.

Installation safety offices not having this information should contact NTC Safety.

(2) Contact the NTC Safety Office NLT 60-days prior to deployment to receive initial information and to ensure all requirements are met. The ATF RSO's must also contact the NTC aviation safety office.

(3) In-process and clear through the NTC Safety Office. The ATF RSO's will be in-processed and cleared through the NTC aviation safety office.

(4) Ensure all known accidents/incidents are reported to the NTC Safety Office daily during normal duty hours (0700-1630).

(5) Coordinate the appointment of accident investigation boards IAW AR 385-40 when required, as if deployed anywhere in the world.

(6) Ensure that one copy of all completed and verified DA Form 285(s) is submitted to the NTC safety office NLT 72 hours after the last training day for processing into the After Rotation Safety Review Package. Unit strength and flight hours will be submitted on NTC Form 1-18.

P-4. Orders

Fragmentary orders from brigade level down to squad level should include "SAFETY" and "RISK ASSESSMENT" paragraphs covering light data, terrain, weather, risk assessment, etc., essential to the up coming mission.

P-5. Laser Safety

To protect personnel from beam irradiance or radiant exposure, only eye safe lasers will be used during the force-on-force portion of training. **NOTE:** The MILES is eye safe and is not considered hazardous under any viewing condition in accordance with AR 385-9 and TB MED 524. Unfiltered lasing during live fire is permitted; however, the commander must ensure there is no ground or aviation lasing when exposed personnel are not adequately protected. Lasing at other than approved targets is prohibited.

P-6. Radiation Safety

For the purpose of maintaining control of radioactive items while training at the NTC, rotational unit commanders will designate in writing a Unit Radiation Safety Officer (URSO). The URSO will provide consultation and advice on the degree of hazards associated with ionized radiation and on the

effectiveness of measures utilized to control these hazards.

a. The URSO will report all radiation incidents to include loss of control, destruction, and damage to equipment containing radioactive material and possible radioactive contamination to the NTC IRPO. The URSO will have knowledge of and comply with the provisions of the "Rotational Radiation Safety and Reporting for the National Training Center," radiation safety pamphlet, while engaged in tactical training at the NTC.

b. The movement of military equipment containing radioactive material to the NTC for training exercises is exempt from the shipping requirements as specified in CFR 49 170-189 (see 49 CFR 173.7B or 177.806B).

c. A memorandum on Rotational Radioactive Material Movement (**Figure P-1**) must be completed for all movement of radioactive material, signed by the unit commander and forwarded to the NTC IRPO. Contact IRPO, DSN 470-5093 for assistance. An inventory of radioactive material will be provided to the transportation carrier and will be inventoried and checked for condition upon arrival by personnel knowledgeable of the types of radioactive materials in the equipment and familiar with the associated hazards and emergency procedures to follow in the event of incident. A memorandum on Rotational Radioactive Material Movement (**Figure P-1**), must be completed for all exempted or non-exempted movements of radioactive material, signed by the unit commander and forwarded to the NTC IRPO.

d. Any engineer unit shipping MC-1, Moisture Density Testers, must contact their Installation RPO and the FORSCOM RPO to ensure that the special handling instructions for the MC-1 are complied with and that transport vehicles and rail car monitoring surveys are conducted prior to loading and before unloading of this item.

e. The unit commander and the RRSO are directly responsible to ensure that proper control and accountability procedures are implemented and followed to maintain strict control and prevent loss or damage to radioactive items while at the NTC. Any loss of control damage will be reported to the NTC IRPO immediately. The RRSO will ensure that all units are trained in proper radiation accident procedures to minimize exposure to personnel and equipment and proper response measures. Units that have radiation contamination incidents will be responsible for decontamination and clean-up costs.

FORSCOM Regulation 350-50-1

Results of wipe tests are only available Monday through Friday during normal duty hours. Units will be charged the cost of lab tests. The RRSO must have 24-hour access to a tactical vehicle, NVG and FM radio capability to respond to unit radiation incidents with the proper monitoring and

decontamination equipment.

f. The RRSO will report to the NTC IPRO upon arrival at the NTC for detailed briefings on procedures to follow and points of contact at the NTC.

Office Symbol

MEMORANDUM FOR COMMANDER, NTC, ATTN: INSTALLATION RADIATION PROTECTION
OFFICER , FORT IRWIN, CA 92310-5000

SUBJECT: Rotational Radioactive Material Movement

Pursuant to AR 385-11, Ionizing Radiation Protection Program, the following information for military movement of radioactive material from rotational home station is herewith provided:

1. Visiting Unit and UIC:
2. Purpose of radioactive material movement:
3. Estimated date of departure from NTC:
4. Origin of departure:
5. Final destination:
6. Actual date of departure:
7. Personnel responsible for radiation safety during movement (unit radiation safety officer);

NAME/RANK

PHONE

8. Visual inspection and/or luminosity check of devices containing radioactive material:

- a. Prior to departure:
- b. At destination:
- c. Prior to return:

RESULTS

INSPECTOR NAME

DATE

9. Inventory of end items containing radioactive material:

NOMENCLATURE

NSN

QTY

RADIONUCLIDE

ITEM SERIAL NO.

Unit Commander's Signature and
Signature Block

Figure P-1

APPENDIX Q***Theater Opening Support Package*****Q. General**

a. As part of the Reception, Staging, Onward Movement and Integration (RSOI) training initiative the Army is placing RC units at NTC to replicate the receiving support package a deploying unit would expect to see as it arrives in new, developing or mature theater of operations.

b. Several time a year the reserve component will provide support packages for either the

deployment into the NTC theater of operations or for the redeployment and closing of theater operations. This support structure will allow arriving units to focus its efforts on the building of combat power. The theater support base will provide support based on the missions assigned and their METL.

	UNITS	MISSION	PERS (NOTE 39)	O/C	PREPO EQP	NOTES
<u>Theater Opening Support Package</u>						
Area or Corps Spt Grp	1	<i>Area C2</i>	<i>134</i>	Limited	No	
S&S BN HQ/ CORPS SPT BN	2		(112)	No	No	
FWD C2		<i>Fwd C2</i>	<i>56</i>			
REAR C2		<i>Rear C2</i>	<i>56</i>			
QM (SUP) CO	1	<i>Cls I,II,III (PACK), IV, POT WATER</i>	<i>143</i>	No	No	
QM (FS) CO	1	<i>Laundry & Bath</i>	106	No	No	
MP CO (CBT SPT)	1	<i>AREA/RTE SECURITY</i>	33	No	No	
ORD BN (-)(MAINT)	1	C2 MAINT	48	No	No	
ORD CO (MAINT) (DS)	1	MAINT/MS T (DS)	256	No	No	
ORD CO (MAINT) (GS)	1	<i>MAINT GS</i>	<i>292</i>	No	No	
ORD PLT (AMMO)	1	<i>CLASS V</i>	<i>55</i>	No	No	
MVMNT CTRL TM (MCT)	2	<i>MVT CTRL</i>	<i>7</i>	Limited	No	
TC MED TRK (LT)	1	CARGO	24	No	No	
TC MED TRK (S&P)	1	<i>CARGO</i>	<i>24</i>	No	No	
TC MED TRK SQD (POL)	1	<i>CLS III BULK</i>	<i>24</i>	No	No	
TC MED TRK (PLS)	1	<i>CARGO</i>	<i>24</i>	No	No	
TC HVY TRK (HET)	1	<i>HVY CARGO</i>	<i>55</i>	No	No	
INTERNAL MED SPT	1	MED OPS	18	No	No	
PUBLIC AFFAIRS (PAD)	1	<i>PAO OPS</i>	<i>7</i>	No	No	
RC OBSERVER CONTROLLER	1	O/C Spt	21 (3 Admin)	Limited	No	
AG Postal Team	1	Postal Spt	7	No	No	

GLOSSARY

52d ID	Notional Training Division Used At Fort Irwin	CSB	Corps Support Battalion
AAR	After Action Review	CSE	Combat Support Engineer Platoon
AC	Active Component	CSG	Corps Support Group
ACR	Armored Cavalry Regiment	CSS	Combat Service Support
ADA	Air Defense Artillery	CTC	Combat Training Centers
AGES	Air Ground Engagement System	DLR	Depot Level Repairable
ALO	Air Liaison	DRM	Director Resource Management
AMDF	Army Master Data File	DOC	Director of Contracting
ARNG	Army Reserve National Guard	DODAAC	Department of Defense Activity Accounting Code
ASG	Area Support Group	DOIM	Director of Information Management
ASL	Authorized Supply Listing	DSA	Divisional Support Activity
ASP	Ammunition Supply Point	DTOC	Division Tactical Operations Center
ATCS	Air Traffic Control Systems	EAB	Echelon above Brigade
ATS	Air Traffic Services	EAD	Echelon above Division
AWR	Army War Reserve	E-Bde	National Guard enhanced Brigade
BCTP	Battle Command Training Program	EN	Engineer
BCGST	Bradley Crew Gunnery Skills Test	EOC	Emergency Operations Center
BDU	Battle Dress Uniform	EOD	Explosive Ordnance Detachment
BSA	Brigade Support Area	EPLRS	Enhanced Position Location Relay System
BSFV	Bradley Stinger Fighting Vehicle	FFT	Force on Force Training
CA	Civil Affairs	FM	Field Manual
CALL	Center for Army Lessons Learned	FMC	Fully Mission Capable
CIF	Central Issue Facility	FORSCOM	Forces Command
CLNWTC	China Lake Naval Weapons Test Center	FRAGO	Frag Order
CONUS	Continental United States	GIOT	Government Impact Overtime hours
CS	Combat Support		

FORSCOM Regulation 350-50-1

GS	Government Service	NAP	Not Authorized Prepositioned
GS	General Support	NBC	Nuclear Biological Chemical
HET	Heavy Equipment Transporter	NGB	National Guard Bureau
HL	Heavy Light (Heavy Mech/Armor and Light Infantry)	NMC	Not Mission Capable
HQDA	Headquarters, Department of the Army	NTC	National Training Center
IAW	In Accordance With	NVG	Night Vision Goggles, also known as NODs (Night Observation Device)
ITO	Installation Transportation Office	OAU	Opposing Force (OPFOR) Augmentation Unit
JANUS	Battle focused simulation trainer	OC	Observer Controller
JCS	Joint Chief of Staff	OCA	Observer Controller Academy
LAO	Logistics Assistance Office	OIC	Officer In Charge
LFT	Live Fire Training	OMA	Operations Maintenance – Army, funding code
LSRD	Long Range Surveillance Recon Detachment	OPFOR	Opposing Force
LTP	Leader Trainer Program	OPTEMPO	Operational Tempo
MACOM	Major Army Command	PADs	Public Affairs Detachment
MCC	Movement Control Center	PAO	Public Affairs Office
MCLB	Marine Corp Logistics Base, Barstow CA	PEAL	Prepositioned Equipment Authorization List
METL	Mission Essential Task List	PERSTEMPO	Personnel Tempo
MILES	Multi Integrated Laser Engagement System	PLL	Prescribed Load Listing
MIPR	Military Interdepartmental Purchase Request	PMCS	Preventative Maintenance, Checks and Services
MITs	Mobile Independent Target System	PREGO	Present Geographic Location Code
MMC	Maintenance Management Command	PREPO	Prepositioned Fleet, pertains to NTCs AWR like, brigade training set of vehicles
MRR	Motorized Rifle Regiment	RC	Reserve Component
MSB	Main Support Battalion	ROE	Rules of Engagement
MSMC	Main Support Medical Company	RSO	Rotational Safety Officer
MTOE	Modified Table of Equipment		

RSO&I	Reception, Staging, Onward Movement and Integration	TCGST	Tank Crew Gunnery Skills Test
SARSS-O	Standard Army Retail Supply System - Organizational	TDA	Table of Distribution and Allowances
SCIA	Southern California International Airport (old George AFB)	TDMP	Tactical Decision Making Process
SFDLRs	Stock Fund Depot Level Reparables	TF	Task Force
SOI	Signal Operating Instructions	TOC	Tactical Operations Center
SOP	Standard Operating Procedure	TRADOC	Training and Doctrine Command
SORTS	Status of Resources and Training System	TSC	Theater Support Command also Training Support Center
SRC	Standard Requirements Code	TSD	Training Support Division
STAMIS	Standard Army Maintenance Information System	UAV	Unmanned Aerial Vehicle
STANFINS	Standard Army Finance System	UCMJ	Uniformed Code of Military Justice
STRAC	Standards in Army Commission (Ammunition Allocation Regulation)	USACOM	United States Atlantic Command
TACSAT	Tactical Satellite Transmitter	USASOC	United States Army Special Operations Command
TAF	Tactical Analysis Facility	USARC	United States Army Reserve Command
TAM	Training Analysis Model	ULLS	Unit Level Logistics System (-G – Ground, - A – Air)
TAT	To Accompany Troops	UXO	Unexploded Ordinance
TC / BC	Tank Commander / Bradley Commander	WARNO	Warning Order
		WG	Wage Grade